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CORRECTING PHYSICAL DEFECTS IN SCHOOL CHILDREN.

A STUDY OF THE RESULT OF THE CORRECTION OF CERTAIN PHYSICAL DEFECTS ON THE GROWTH AND DEVELOPMENT OF 146 SCHOOL CHILDREN IN BALTIMORE, MD.[1]

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INTRODUCTION.

Heretofore it has been considered almost an axiom that the correction of the hampering physical defects of children will be followed by an increase in the rate of growth as represented by height and weight, because it seems logical that this should be so. However, there has been no general attempt made to test this assumption in actual experience. The present study was undertaken for the purpose of attempting such a test, or rather as a beginning of such a test, in the hope that other workers might be stimulated to make similar observations. It is obvious, of course, that an accumulation of exact information regarding the effect of measures for the relief of the remediable physical defects most frequently observed in examinations of children of preschool and school age will be the most potent argument for their correction and will give additional assurance to parents of the necessity for such relief. Of even greater importance is the need of a scientific evaluation of preventive measures such as these; for it is believed that insufficient attention has been paid to the determination of the real efficacy of many of the preventive measures that have been proposed and practiced.

The present study is of interest not so much because of the results it affords for a limited number of children, but because it may suggest practicable and simple methods for making the necessary observations for determining whether or not a specific remedial measure actually has the hoped-for results. It should be regarded, therefore, as a preliminary inquiry.

[1] From Field Investigations in Child Hygiene, United States Public Health Service. The statistical analysis of the results of this study was made in the Statistical Office of the United States Public Health Service.

NUMBER OF CHILDREN AND TYPE OF DEFECTS.

In April, 1920, 200 children in Baltimore, from 7 to 14 years of age, were selected for corrective work, preceding a series of measurements of height and weight. It was planned to make measurements before corrective work and at intervals of a month succeeding corrections, except in the cases of removal of adenoids and tonsils, when the interval between measurements was to be two weeks. Table I shows the number of children having specified defects and various combinations of defects.

TABLE I.—*Distribution of 200 children selected for corrective work, according to the nature of the defect.*

Nature of defect.	Number of children having specified defects.
Adenoids	7
Adenoids, tonsils	6
Adenoids, tonsils, teeth	16
Adenoids, tonsils, teeth, vision	2
Adenoids, tonsils, vision	1
Adenoids, tonsils, vision, hearing	1
Adenoids, teeth	10
Tonsils	12
Tonsils, teeth	15
Tonsils, teeth, vision	2
Tonsils, teeth, hearing	3
Tonsils, teeth, vision, hearing	2
Tonsils, vision, hearing	1
Teeth	70
Teeth, vision	10
Teeth, vision, hearing	7
Vision	11
Vision, hearing	3
Hearing	11
Hernia	3
Special	5
Bronchitis	2
Total number of children	200

THE HOME AND SCHOOL ENVIRONMENT.

The 200 children were in two groups which were located in widely separated sections of the city. School No. 25, at Bond Street and Eastern Avenue, is in a part of the city that at one time was a good residential section but now has many factories, stores, and lumber yards. It is within a few blocks of the water front and a market. The large old houses are used as tenements, each house sheltering several families. Little attention is paid to bathtubs or to adequate toilets, and the supply of water is usually limited to one tap on each floor. The facilities for housekeeping are poor. Many homes have no gas, and only one has electric lights.

The schoolhouse is an old building with practically no playground; cars and a railroad siding are on the street. The building is in poor repair, the rooms are small and crowded, poorly ventilated and lighted.

There is a public bath opposite the school, used constantly by the children, and the city park with swimming pool is within easy access.

The other group, located at School No. 96, has a large modern building, in a good location; no cars pass the school; the streets are quiet and safe and are used as playgrounds to supplement a large sunny school yard. The heating and ventilating facilities for the building seem adequate; each room is well lighted, large, and not crowded. The neighborhood is one of modern two-story homes, one family in each house. Many families own their homes or are buying them. With few exceptions each house has a bath, many are lighted by electricity, and the small back yards are neat and well kept. The neighborhood adjoins open fields and woods and is altogether desirable as a residence section. There are several clothing factories, a button factory, and an abattoir in the neighborhood.

RACE STOCK.

The larger number of children with foreign-born parents was found at School No. 25, but there were many homes at No. 96 where a foreign language was spoken exclusively in the home. Table II shows the distribution of the children according to ancestry.

TABLE II.—*Distribution according to ancestry (racial stock) of children of 2 schools of Baltimore observed in this study.*

Parents.	Both schools.	School No. 96.	School No. 25.
All race stocks	173	78	95
Both native white	73	50	23
Both Polish	23	.....	23
Both Italian	14	.....	14
Both Jewish (Russian)	32	15	17
Both Austrian	7	1	6
Both German	10	6	4
Both Hungarian	1	1	.....
Both Serbian	1	1	.....
Mixed parentage	9	4	5
Unknown	3	.....	3

NATURE OF CORRECTIONS.

Of the original group of 200 children 146 had corrections and were observed to the end of the year. However, only two groups (adenoid or tonsil corrections and teeth corrections), with a total of 132 children, were large enough to justify a study of the effect of the corrections on the height and weight. Table III shows the corrections made on these children.

TABLE III.—*Corrections made on 132 children included in the tabulation for this study.*

Nature of correction.	Tonsil-adenoid group.	Teeth group.
Number of children	49	83
Total corrections	97	100
Tonsils and adenoids	49	
Teeth	40	83
Glasses fitted	6	9
Ear treated		8
Phimosis	2	

The hernia, hearing, and vision groups were composed of so few children that no attempt was made to tabulate them.[2]

[2] Of the 200 children originally selected, corrections were made on 154, and 146 of these remained in school to the end of the year for observation; but certain groups, such as those treated for hernia, hearing, and vision, were too small to justify the tabulation of results.

On 46 children no corrections were made for the following reasons:

Reason for not making corrections.	Number of children.		
	Total.	Boys.	Girls.
Left school before any corrective work	19	5	14
Refused treatment	16	10	6
Under physician's care	6	1	5
Treated in clinics	5	3	2
Total	46	19	27

On the remaining 154 children the following 261 corrections were made:

Nature of correction.	Number of cases corrected.
All cases corrected	261
Defective teeth	126
Removal of adenoids and tonsils	49
Tonsils treated, no surgery necessary	12
Adenoids removed	2
Hearing (ear treated)	26
Hernia, no surgery	3
Bronchitis	2
Vision, glasses fitted	26
Vision, no glasses needed	13
Phimosis	2

Eight children left school immediately after corrections had been made. In addition to the 200 children selected for the remedial work, brothers, sisters, and schoolmates asked for corrective work, and whenever it was possible this was done. There were made in this group the following corrections:

24 cases dental corrections.
14 cases glasses fitted.
14 cases tonsils and adenoids removed.
1 case phimosis operation.

Physical defects were corrected in two teachers, the corrections being one for nose and throat and one for teeth.

Four mothers went to the free clinics; three had glasses fitted; one had goiter removed.

One father had dental corrections made in the dental clinic.

There were 1,870 weights and measurements made, 255 visits to schools, 518 visits to homes, 410 visits to clinics and hospitals, 21 visits to welfare agencies, and 6 visits to physicians.

The helpful attitude of the principals of the schools and the cooperation of the class teachers were most gratifying. After an appeal to the Parent-Teacher Club at one school scales were purchased for the use of the school, and the mothers and teachers were anxious to have reports of measures and to talk over the condition of the children. At the other school scales were provided late in the year from funds remaining from Junior Red Cross activities in war work.

HOW CORRECTIONS WERE MADE.

Nine of the tonsil operations were arranged for by the parents after arrangements for examination and admission to the hospital had been made. The other 36 operations for tonsils and two phimosis operations were made without expense to the parents. The city charities assumed expenses for 9 cases of tonsils and adenoid operations; 13 dental corrections were made by private dentists; 19 parents paid the cost of materials used in treatment in the clinics; and 94 cases were without expense to the parents. There was the heartiest cooperation from the hospitals. In some hospitals it was difficult to secure beds; but these institutions looked after the outpatients in their clinics (dental, ear, eye), and hospitals where beds could be secured for operative work were most generous in placing the children. The Franklin Street Ear, Eye, and Throat Infirmary, the Franklin Square Hospital, Johns Hopkins Hospital Free Dispensary, the Harriet Lane and the Henry Phipps Psychiatric Clinic, the Maryland Dental Infirmary, Mercy Hospital, the Presbyterian Eye, Ear, and Throat Infirmary, St. Agnes Hospital, and the University of Maryland Hospital (Children's Clinic and Dental Clinic), cooperated in making the corrections.

SPECIAL PRECAUTIONS.

Arrangement was made whereby the children of this study were exempted from nutrition instruction and from any special hygiene other than the correction of their physical defects, as the Public Health Service purposed to secure the correction of these defects in order to determine the effect their removal might have upon the child's nutrition. No attempt to regulate food was made other than the usual directions given patients by the hospital worker. During the months of April, May, and June, 1921, milk was distributed in the schools at 4 cents a half pint. Few of the children (32) had the milk, as the price was prohibitive; and in no case was the milk provided at home during the holidays or on Saturdays and Sundays.

In November, 1919, when a large number of Baltimore school children were measured under the direction of Dr. E. V. McCollum, of Johns Hopkins University, and in January and February, 1920, when officers of the United States Public Health Service made the physical examinations of these same children, the fathers and many of the mothers were employed at high "war wages"; there was no question of having the money to buy food, although living prices were high. These conditions changed, and in May, 1920, at the time of the first corrective work, a garment-worker's strike left many homes with curtailed incomes. In the latter part of 1920 the un-

employment situation became acute. Many families were without regular incomes, while the living costs were still high. There was an actual shortage of food for some of the children; and in the families where an attempt had been made to invest the "war wages" by buying the home, the supply of food was limited. It is thus seen that, in addition to the deliberate failure of the investigators to adopt measures designed to promote the state of nutrition, in order better to evaluate the effect of the correction of certain hampering physical defects on growth and development, the children included in this study were subjected to unusual conditions which tended still further to strengthen the conclusions in respect of the results of this study.

Of the 146 children on the school register in June, 1921, whose corrections had been made, 3 children advanced a year and a half in the school year, 134 children were promoted the usual school grade, and 9 failed of promotion. The children who were not promoted were given mental examinations. Two of the boys were decidedly below the intelligence level for their age, three girls were retarded and very slow, one girl of 9 years seemed to have reached her limit at a 6-year level, and one girl and two boys were of normal intelligence. Of these nine children who failed of promotion, six were already over age for their grade in school. Of the 146 defective children on whom corrections were made, 63 children, or 43 per cent, were over age for their grade and had repeated from one to four years prior to the time corrections were made.

TONSIL AND ADENOID CORRECTIONS.

A total of 49 children who had tonsil or adenoid corrections were weighed and measured at varying intervals before and after the operation. The interval between the first measurement and the time of correction of the defect varied from 6 months to 17 months, and the interval between the correction and the last measurement varied from 1 month to 13 months. In addition to the tonsil and adenoid operations, 40 of these children had dental corrections, 7 had corrections of vision by being fitted with glasses or other treatment, and 2 had phimosis operations. It seemed reasonable, however, to assume that the tonsil and adenoid corrections in these cases were more important than the others, and so the increments in weight and height before this correction were compared with the corresponding increments after the tonsil or adenoid corrections, regardless of the time the other corrections were made.

Table IV shows by sex and age groups the gain in weight (pounds) per child per month and the gain in height (inches) per child per month for a period before and a period after the operation.[3]

[3] The average is a weighted one, the gain in weight per month for each child being considered in proportion to the number of months he was under observation.

TABLE IV.—*Average gain per month of 49 children with diseased tonsils or adenoids before and after the defects were corrected.*[1]

Age group.	Gain in weight per month (pounds).			Gain in height per month (inches).		
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
7 to 10 years:						
Before correction	0.219	0.261	0.198	0.159	0.177	0.149
After correction	.767	.679	.799	.277	.217	.299
11 to 14 years:						
Before correction	.439	.313	.604	.133	.146	.116
After correction	1.001	.650	1.143	.242	.213	.258
All ages:						
Before correction	.295	.286	.301	.149	.162	.141
After correction	.891	.676	.905	.266	.212	.287

[1] Data in this table are based on the following numbers of children:
10 boys, 7 to 10 years.
23 girls, 7 to 10 years.
7 boys, 11 to 14 years.
9 girls, 11 to 14 years.
49 children.

Owing to the relatively small number of children involved, it was not practicable to use single-year age groups, but two age groups were made, children 7 to 10 years being separated from those 11 to 14 years of age. Ages were calculated to the nearest birthday at the time of the operation.

It is realized that the rate of gain in weight and in height per month varies with the age of the child, and therefore the gain for a period before correction is not strictly comparable with the gain after correction, but the table is introduced as a rough indication of the differences observed in growth before and after the operation.

The 23 girls 7 to 10 years of age gained 0.198 pound per child per month before the operation, whereas after the correction the gain was 0.799 pound, approximately four times as much as before the operation. The difference was not so great for other groups but seems sufficient to be significant.

RATE OF GROWTH OF A SPECIAL GROUP OF CHILDREN.

In order to make a more accurate comparison of the rate of growth before and after the corrections and to show the trend of the growth from month to month, a curve was constructed to show the average weight of certain groups of children for each month or half month for a period immediately before the corrections and for a corresponding period immediately following the corrections.

In order to do this, the calendar dates of the weighings were disregarded, and all weights at the time of correction were brought together and averaged. All weights one month after correction were averaged. Weights at other periods before and after correc-

tion were averaged in a similar way to make up a weight curve from six months before correction to six months after correction. In order to do this, certain missing weights had to be supplied by interpolation. This was done on a straight line basis—that is, the assumption was made that a child gained or lost an equal number of pounds each month intervening between the actual known weights; for example, if he weighed 55 pounds one month and 57 pounds two months later, he was assumed to weigh 56 pounds the intervening month, the average of the two known weights. A group of 20 girls 7 to 10 years old who had height and weight records for six months preceding the operation and for six months following the operation were tabulated in this way. The resulting average weights, average heights, and the weight-height indexes for a period from six months before the operation to six months after the operation are shown in the first three columns (upper) of Table V. Similar averages were computed for groups of girls 11 to 14 years of age and for boys of similar age groups, although data were not available for the full six months after the operation in all cases. The averages for these groups are shown in the same table.

TABLE V.—*Mean weight, mean height, and weight-height index of 43 children with defective tonsils or adenoids or both, for 6 months before and for 6 months after the operation to correct the defects.*[1]

Time of measurement.	Ages 7–10 years at time of the operation.			Ages 11–14 years at time of the operation.		
	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).
GIRLS.						
6 months before operation	45.45	46.57	0.976	66.37	53.87	1.232
5 months before operation	45.77	46.77	.979	66.78	54.00	1.236
4 months before operation	45.98	46.89	.981	67.46	54.05	1.248
3 months before operation	46.17	46.09	.980	68.09	54.13	1.258
2 months before operation	46.35	47.28	.980	68.78	54.24	1.268
1 month before operation	46.28	47.45	.975	69.47	54.35	1.278
Time of operation	46.13	47.63	.969	69.47	54.47	1.275
½ month after operation	46.31	47.86	.968	70.47	54.90	1.284
1 month after operation	47.32	48.28	.980	70.98	55.02	1.290
1½ months after operation	48.56	48.46	1.002	72.21	55.11	1.310
2 months after operation	48.99	48.69	1.006	73.29	55.32	1.325
2½ months after operation	49.36	48.89	1.010	73.80	55.51	1.329
3 months after operation	49.91	49.01	1.018	74.45	55.61	1.339
3½ months after operation	50.31	49.09	1.025	74.73	55.69	1.342
4 months after operation	50.70	49.19	1.031	75.09	55.84	1.345
4½ months after operation	51.03	49.25	1.036	76.22	55.92	1.363
5 months after operation	51.39	49.39	1.040	76.75	56.00	1.370
5½ months after operation	51.54	49.45	1.042	77.81	56.12	1.387
6 months after operation	52.24	49.55	1.054	78.93	56.18	1.405

[1] Data in this table are based on the following numbers of children:

Girls, total	29
7 to 10 years	20
11 to 14 years	9
Boys, total	14
7 to 10 years	9
11 to 14 years	5

TABLE V.—*Mean weight, mean height, and weight-height index of 43 children with defective tonsils or adenoids or both, for 6 months before and for 6 months after the operation to correct the defects*—Continued.

Time of measurement.	Ages 7-10 years at time of the operation.			Ages 11-14 years at time of the operation.		
	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).
	BOYS.					
6 months before operation	47.58	47.02	1.012	58.68	51.12	1.148
5 months before operation	48.25	47.21	1.022	58.95	51.27	1.150
4 months before operation	48.47	47.39	1.023	59.27	51.42	1.153
3 months before operation	48.67	47.61	1.022	59.82	51.53	1.161
2 months before operation	49.50	47.79	1.036	59.41	51.65	1.150
1 month before operation	49.39	48.01	1.029	60.34	51.73	1.166
Time of operation	48.61	48.22	1.008	60.30	51.75	1.165
½ month after operation	49.03	48.38	1.013	60.57	51.96	1.166
1 month after operation	49.64	48.42	1.025	60.83	52.02	1.166
1½ months after operation	50.44	48.56	1.039	62.45	52.08	1.199
2 months after operation	50.79	48.60	1.045	62.65	52.29	1.198
2½ months after operation	50.81	48.75	1.042	63.70	52.45	1.214
3 months after operation	51.50	48.86	1.054	64.11	52.52	1.221
3½ months after operation	51.83	48.99	1.058	64.07	52.58	1.219
4 months after operation	52.22	49.28	1.060	.....	.....	.....

In Figures 1 and 2 the weights, the heights, and the weight-height indexes for each group have been plotted on logarithmic scales to show the trend of growth over the period involved. On the logarithmic scale equal distances vertically represent equal *percentage* increases, and therefore the disturbing factor due to the normal expected increase in the absolute gain in weight per month as the child grows older is eliminated. The *steepness* of the curve therefore indicates the *rate* of growth.

The weight in each age group seems to have increased considerably faster after the operation than before, except for the first half-month during which the child had probably not completely recovered from the effect of the operation. The effect on the height does not appear significant, but the weight-height index (weight per inch of height), which remained virtually the same in the 7 to 10 age group for the period preceding the operation, increased considerably after the operation.

In order to show more clearly the differences between the period before and the period after the operation, a straight line (on logarithmic paper) was put through the curve for each period independently by the method of least squares.[4]

[4] Let y=weight and x=height. Then the equation for the line of equal percentage increase (straight line on logarithmic paper) would be $y=ab^x$, a and b being constants which are evaluated by the method of least squares from the actual weights and heights given in Table V. This equation gives a series of weights at the various heights which, plotted on logarithmic paper, forms a straight line which is the line of equal percentage increase.

This line represents the most probable straight line which could be fitted to the data. It must be remembered, however, that a straight line on logarithmic paper does not represent the line of equal increase in pounds or other unit of weight or height, but represents the line of equal percentage increase. It therefore be-

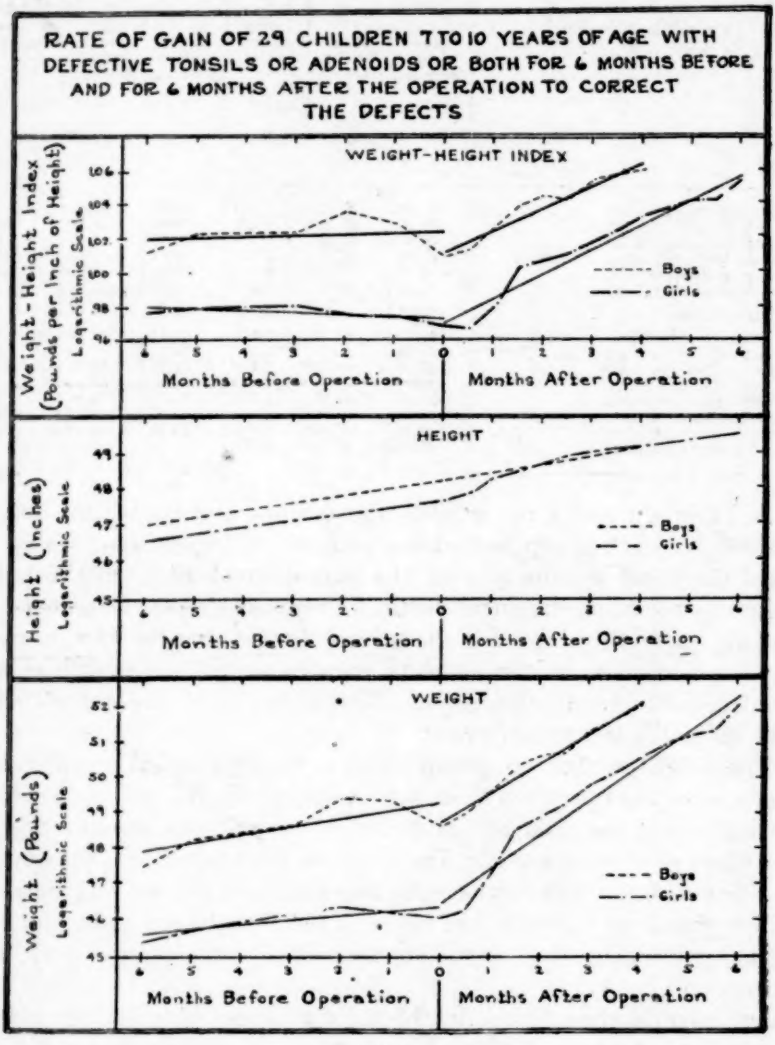

Fig. 1.

comes a matter of interest to compare this average percentage increase per month before the operation with the average percentage increase per month after the operation. Table VI compares these figures for the period before and the period after the operation.

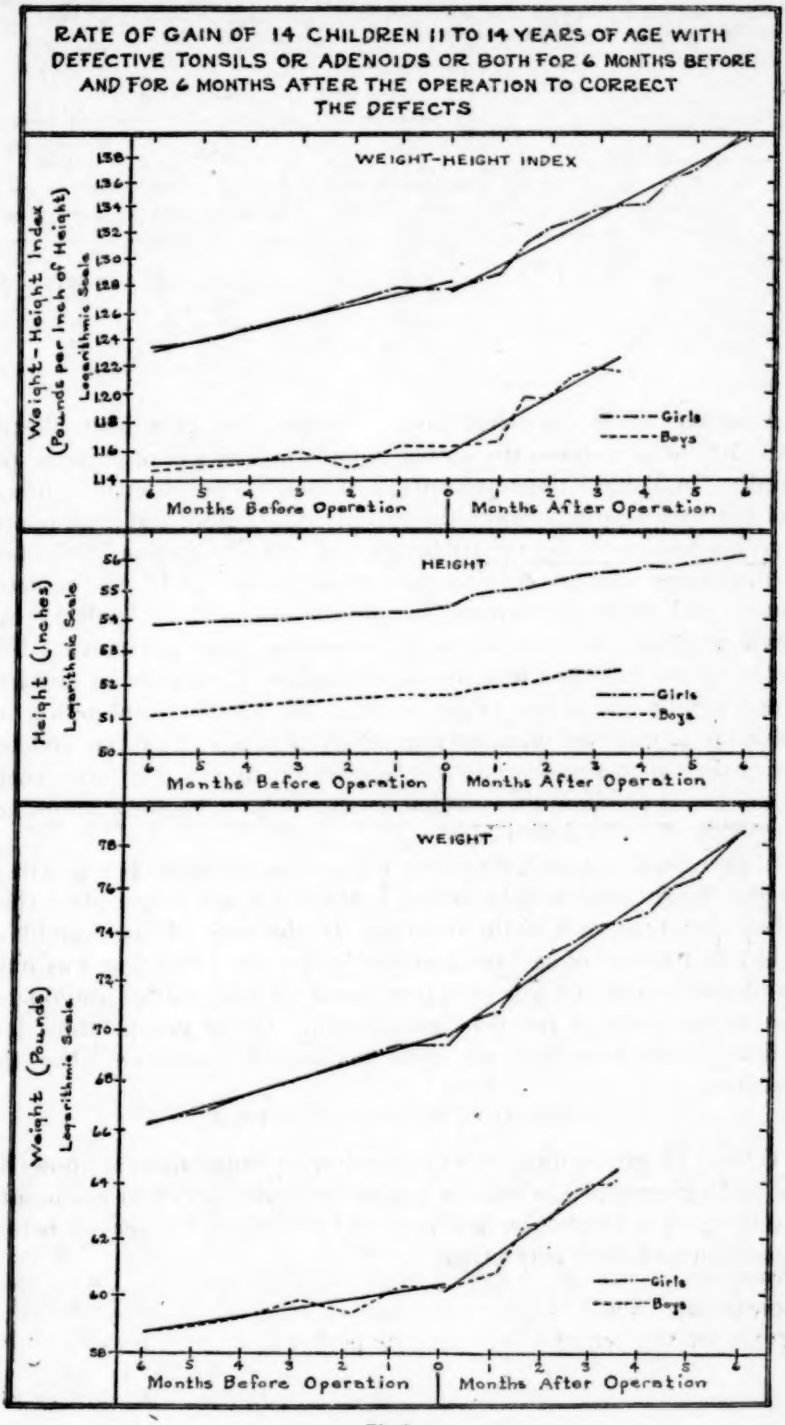
RATE OF GAIN OF 14 CHILDREN 11 TO 14 YEARS OF AGE WITH DEFECTIVE TONSILS OR ADENOIDS OR BOTH FOR 6 MONTHS BEFORE AND FOR 6 MONTHS AFTER THE OPERATION TO CORRECT THE DEFECTS
WEIGHT-HEIGHT INDEX
Weight-Height Index (Pounds per Inch of Height) Logarithmic Scale
Girls
Boys
Months Before Operation
Months After Operation
HEIGHT
Height (Inches) Logarithmic Scale
WEIGHT
Weight (Pounds) Logarithmic Scale

Fig. 2.

TABLE VI.—*Average percentage increase per month in weight, in height, and in the weight-height index for a group of 43 children with defective tonsils or adenoids or both, for 6 months before and 6 months after the operation to correct the defects.*

Age group.	Percentage increase per month in—					
	Weight.		Height.		Weight-height index.	
	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.
7 to 10 years:						
Before operation	0.27	0.47	0.37	0.42	a −0.12	0.05
After operation	2.05	1.80	.62	.49	1.41	1.29
11 to 14 years:						
Before operation	.84	.47	.18	.21	.67	.26
After operation	1.99	2.04	.48	.46	1.51	1.56

a Decrease.

Attention should be called to the difference between this table and Table IV, which shows the actual pounds and inches of increase per month. In Table VI the percentage of increase per month is shown, and the comparison between the two periods (before and after operation) becomes more legitimate because of the elimination of the fact of increasing weights and heights which would add to the *actua* pounds and inches of increase per month as shown in Table IV but would probably not add to the *percentage* increases per month. The fact that the expected or normal percentage of increase in children changes with age is not taken account of, but the total period involved is 12 months (or an average difference of 6 months), and the percentage of increase would not greatly change in this time except as the result of some exceptional event, such as, in these cases, the correction of a physical defect.

In practically all the groups the percentage increases per month in weight, height, and weight-height index are much larger after than before the correction of the defects. In the case of the weight of girls 7 to 10 years of age, the increase before the operation was only about one-fourth of 1 per cent per month, whereas after the operation it was over 2 per cent per month. Other groups show less striking differences, but all show substantial increases after the operation.

CORRECTION OF DENTAL DEFECTS.

Table VII, giving data on 83 children with dental defects, shows by sex and age groups the gain in weight (pounds) per child per month and the gain in height (inches) per child per month for periods before correction and after correction.

TABLE VII.—*Average gain per month of 83 children with defective teeth, before and after the defects were corrected.*[1]

Age group.	Gain in weight per month (pounds).			Gain in height per month (inches).		
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
7 to 10 years:						
Before correction	0.333	0.353	0.319	0.214	0.228	0.204
After correction	.562	.492	.603	.210	.211	.210
11 to 14 years:						
Before correction	.599	.449	.692	.200	.178	.213
After correction	.811	.765	.856	.193	.288	.157
All ages:						
Before correction	.394	.374	.408	.212	.217	.206
After correction	.617	.568	.649	.206	.215	.200

[1] Data in this table are based on the following numbers of children:
26 boys, 7 to 10 years.
38 girls, 7 to 10 years.
8 boys, 11 to 14 years.
11 girls, 11 to 14 years.
—
83 children.

In this table, time of operation was the designation for the time of the first extraction, filling, or prophylactic treatment. Intervals between the first measurements and the time of correction varied from 5 to 18 months before the operation, while the intervals between the corrections and the last measures varied from 1 to 14 months. In addition to their dental treatment, 9 children had defects of vision corrected by being fitted with glasses, and 8 children had nonsurgical treatment of the ear. The time these additional corrections were made was not considered in this study of the increase of weight and height.

The 38 girls 7 to 10 years of age gained 0.319 pound per child per month before correction and 0.603 pound per month after correction, while their gain in height was about the same for each period, 0.204 inch before and 0.210 inch after correction. The 11 to 14 year-old group of girls and the boys 7 to 10 years gained more in weight per month in the five months succeeding correction than before correction but did not gain in height as much as before the operation.

RATE OF GROWTH OF A SPECIAL GROUP OF CHILDREN.

Table VIII more accurately compares the rate of growth before and after the correction of dental defects. The data were recorded in the same way as that described in the case of corrections of adenoids and tonsils. The table shows the average weights, heights, and weight-height indexes for a period from five months before the correction to five months after for each group.

TABLE VIII.—*Mean weight, mean height, and weight-height index of 67 children with defective teeth, for 5 months before and for 5 months after correction of the defects was begun.*[1]

Time of measurement.	Ages 7–10 years at time of the operation.			Ages 11–14 years at time of the operation.		
	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).	Mean weight (pounds).	Mean height (inches).	Weight-height index (pounds per inch of height).
GIRLS.						
5 months before operation	46.44	47.12	0.986	56.76	51.31	1.106
4 months before operation	46.63	47.34	.985	56.80	51.64	1.100
3 months before operation	46.80	47.59	.983	57.65	52.03	1.108
2 months before operation	47.11	47.89	.984	58.16	52.22	1.114
1 month before operation	47.64	48.15	.989	58.68	52.36	1.121
Time of operation	48.33	48.52	.996	58.58	52.67	1.112
1 month after operation	48.97	48.82	1.003	59.96	52.79	1.136
2 months after operation	49.84	48.99	1.017	62.27	53.04	1.174
3 months after operation	50.25	49.20	1.021	63.58	53.17	1.196
4 months after operation	50.48	49.40	1.022	63.23	53.31	1.186
5 months after operation	51.39	49.59	1.036	63.81	53.41	1.195
BOYS.						
5 months before operation	47.67	47.58	1.002	61.54	53.91	1.141
4 months before operation	48.05	47.83	1.005	61.81	54.30	1.138
3 months before operation	48.25	48.07	1.004	62.60	54.57	1.147
2 months before operation	48.56	48.36	1.004	63.66	54.78	1.162
1 month before operation	49.04	48.61	1.009	64.46	54.91	1.174
Time of operation	49.57	48.85	1.015	65.46	55.25	1.185
1 month after operation	50.55	49.12	1.029	66.51	55.37	1.201
2 months after operation	51.11	49.36	1.035	67.19	55.45	1.212
3 months after operation	51.47	49.50	1.040	68.89	55.64	1.238
4 months after operation	51.92	49.71	1.044	69.82	55.86	1.250
5 months after operation	52.23	49.88	1.047	69.57	56.13	1.239

[1] Data in this table are based on the following numbers of children:

Girls (total)	38
7 to 10 years	32
11 to 14 years	6
Boys (total)	29
7 to 10 years	22
11 to 14 years	7

Figures 3 and 4 show the weight, height, and weight-height index of the children with defective teeth, plotted on logarithmic scales to show the trend of growth over the ten months involved.

The fact that the corrective dental work in most cases extended over a period of time would tend toward a less clear-cut distinction between the period before and the period after the correction than in the case of the tonsil and adenoid operations. The time the correction of the defects was begun was taken as the dividing line, and in some cases the completion of the dental work was much later. But there are some differences which appear to be significant, par-

ticularly in the weight and weight-height index for girls in both age groups. In other cases the differences are small.

In order to show the differences more accurately, straight lines (on logarithmic paper) were fitted to the actual data in the manner

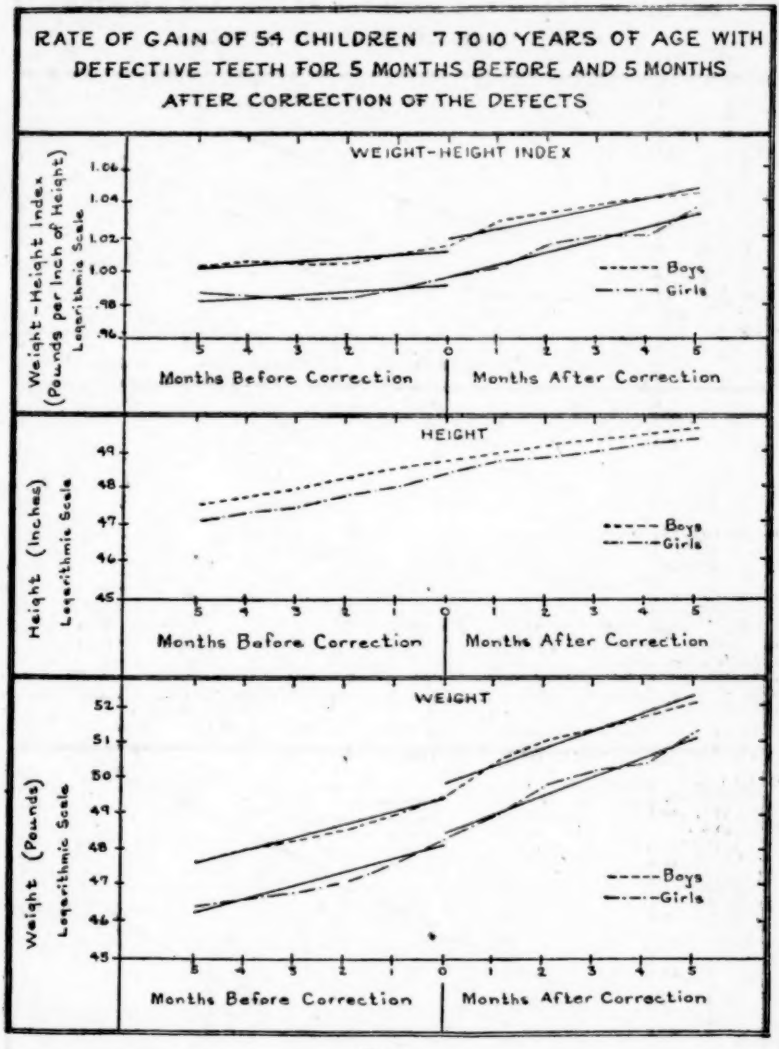

Fig. 3.

described in the discussion of the adenoid and tonsil cases. Table IX shows the percentage increase per month before and after the corrections in the same way as Table VI shows it for the adenoids and tonsils.

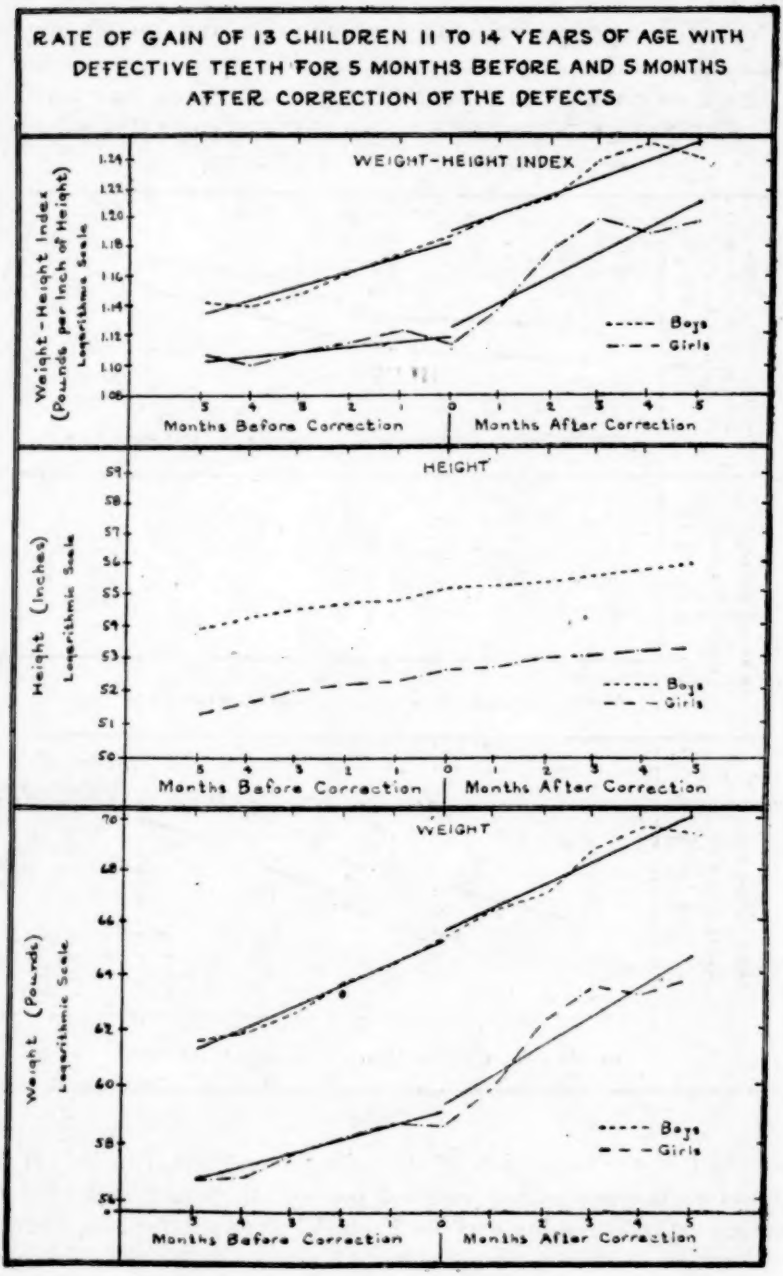
RATE OF GAIN OF 13 CHILDREN 11 TO 14 YEARS OF AGE WITH DEFECTIVE TEETH FOR 5 MONTHS BEFORE AND 5 MONTHS AFTER CORRECTION OF THE DEFECTS
WEIGHT-HEIGHT INDEX
Weight-Height Index (Pounds per Inch of Height) Logarithmic Scale
Boys
Girls
Months Before Correction
Months After Correction
HEIGHT
Height (Inches) Logarithmic Scale
WEIGHT
Weight (Pounds) Logarithmic Scale

Fig. 4.

TABLE IX.—*Average percentage increase per month in weight, in height, and in the weight-height index, for a group of 67 children with defective teeth, for 5 months before and 5 months after correction of the defects was begun.*

Age group.	Percentage increase per month in—					
	Weight.		Height.		Weight-height index.	
	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.
7 to 10 years:						
Before operation	0.78	0.75	0.58	0.53	0.18	0.22
After operation	1.17	1.00	.43	.41	.74	.58
11 to 14 years:						
Before operation	.76	1.30	.50	.46	.26	.85
After operation	1.75	1.37	.29	.31	1.46	1.05

PHYSICAL DEFECTS AMONG 8,887 UNDERWEIGHT SCHOOL CHILDREN.[1]

Early in 1922 the medical inspectors of the department of health of Detroit completed the physical inspection of 8,887 school children who were found to be 15 per cent or more underweight according to the measurements made during September and October, 1921, on the school children of Detroit. This number found to be 15 per cent or more underweight is 7.9 per cent of the school children of Detroit.

Because of the great variations frequently met with in the reported prevalence of physical defects among school children, an effort was made to secure uniformity in reporting. In some instances, it was stated, 30 per cent of tonsillar defects had been reported for one school by one investigator, and only 5 per cent for another school a few blocks away by another investigator—a variation due to the difference in the interpretations of medical inspectors. In order to secure uniformity and therefore make records for different schools comparable, the department of health devised a simple plan of designating various degrees of defects, and arranged for the examiners to work in teams of three each. These men examined independently the same groups of children, reporting the defects found in terms of the definite graded scales, and they met at intervals to check up their independent work.

One physical defect or more was found among 6,662, or 74.9 per cent, of the 8,887 underweight children. No outstanding physical defect was found among 2,225, or 25.1 per cent.

The number of each of the more important defects per 1,000 children was given as follows:

[1] Taken from the Weekly Health Review, Feb. 18, 1922, published by the Department of Health of Detroit.

	Number per 1,000 children.
Tonsils—enlarged or infected	508
Defective teeth	227
Anemic	73
Faulty vision	93
Mouth breathing	92
Heart—abnormal (recommended for further more careful examination)	48
Lungs—suspicious (recommended for further more careful examination)	31
Defective hearing	20
Enlarged thyroid	29
Enlarged anterior cervical glands	11
Skin diseases	11
Orthopedic defects	6
Deformed palate	1

VACCINATION HISTORIES OF SMALLPOX CASES, 1921.

The following table gives the vaccination histories of smallpox patients as reported to the Public Health Service by the State health officers. This information was furnished by eight States.

The total number of cases for which the histories were given was 22,944, of which 63.5 per cent had never been successfully vaccinated; 4.6 per cent had been vaccinated more than 7 years preceding the attack; 1.8 per cent had been vaccinated within 7 years of the attack; and in 30.1 per cent of the cases the vaccination status was not obtained or was uncertain.

Vaccination history of smallpox cases, 1921.

State.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California	5,554	.....	48	339	5,115	52
Florida	1,361	.....	27	22	461	851
Kansas	4,627	.....	118	154	1,982	2,373
Massachusetts	37	.....	2	13	17	5
Minnesota	9,177	.....	179	464	5,077	3,457
Montana	1,474	.....	6	35	1,416	17
New Mexico	110	.....	9	1	55	45
New York	604	.....	20	35	443	106
Total	22,944	.....	409	1,063	14,566	6,906

SMALLPOX IN NOTTINGHAM, ENGLAND, IN 1921.[1]

Prior to February 16, 1921, no case of smallpox had been recorded in Nottingham since July, 1912. The first case during 1921, in an unvaccinated girl 20 years of age, had its onset about February 16. The infection was acquired in a northern town. The patient was removed to the isolation hospital, and there was no spread of the disease. The next case appeared May 22. It was suspected that the source of this infection was the Long Eaton outbreak, which was in progress at that time. Long Eaton is less than 7 miles from Nottingham, and communication between the towns is free and constant. From the middle of May, 1921, until the latter part of January, 1922, there occurred in Nottingham 112 cases.

The disease was of mild type, a large proportion of the cases being described as of the "alastrim" or western type; yet it is stated that from the same strain there developed other cases of normal unattenuated variety. Several cases were extremely severe, but there was no fatality.

The protection against the complaint afforded by vaccination is indicated in the following table, which shows the cases in age groups among the vaccinated and unvaccinated. It is stated that the somewhat extended period of protection is probably explained by the low infectivity of an attenuated virus.

Smallpox in Nottingham, February, 1921, to January, 1922—Cases among vaccinated and unvaccinated arranged in age groups.

Vaccinated.						Unvaccinated.					
Under 10.	10 to 20.	20 to 30.	30 to 40.	40 to 50.	Over 50.	Under 10.	10 to 20.	20 to 30.	30 to 40.	40 to 50.	Over 50.
.....	.....	.....	9	5	7	50	25	12	2	1	2

All vaccinated persons attacked were over 30 years of age, whereas 87 out of 92, or 94.6 per cent, of the unvaccinated persons attacked were under 30 years of age.

It was stated that about half of the children of the city had been vaccinated and that none of those vaccinated contracted smallpox.

HEALTH DEPARTMENT PRACTICE OF LARGE AMERICAN CITIES.[2]

The need of authentic information on the practice of municipal health departments of American cities has long been recognized. A

[1] From a report by Philip Boobbyer, M. D., medical officer of health, city of Nottingham, in The Medical Officer for Apr. 1, 1922, p. 137.

[2] First Report of the Committee on Municipal Health Department Practice of the American Public Health Association, presented at the annual meeting of the association in New York City, November, 1921. Reprinted from the American Journal of Public Health, Vol. XII, Nos. 1 and 2, January and February, 1922.

great variety of procedures exists; the organization of health departments differs widely in different communities; the amount of money per capita spent on different branches of public-health work varies; and in other respects few standards are available for health officers who would pattern their departments after the best practice of American cities in order to achieve the best results.

In 1920 a committee was appointed by the American Public Health Association to carry out surveys and collect data on the current methods in large cities. The Metropolitan Life Insurance Co., the American Red Cross, and the United States Public Health Service cooperated in the work, which was done during 1920 and 1921. The committee consisted of the following members:

Prof. C.-E. A. Winslow (chairman), New Haven, Conn.
Dr. Charles V. Chapin, Providence, R. I.
Dr. Wade H. Frost, Washington, D. C.
Dr. Donald B. Armstrong, Framingham, Mass.
Dr. Allen W. Freeman, Columbus, Ohio.
Dr. Lewis R. Thompson, Washington, D. C.
Dr. Louis I. Dublin (secretary), New York City, N. Y.

The inquiry was limited to cities having a population of 100,000 or over according to the census of 1920, although a few smaller cities, in which the health activities justified it, were included. The survey covers a total of 83 cities.

The committee presents a summary of its findings under the following main divisions:

I. The Health Board and the Health Officer.
II. Expenditures of Health Departments.
III. Control of Communicable Diseases.
IV. Tuberculosis.
V. Venereal Diseases.
VI. Infant Hygiene.
VII. School Medical Inspection.
VIII. Industrial Hygiene.
IX. Special Clinics.
X. Public Health Nursing.
XI. Public Health Laboratory.
XII. Milk Inspection.
XIII. Food and Drug Inspection.
XIV. Sanitary Inspection and Sanitation.
XV. Water Supply.
XVI. Sewerage and Sewage Disposal.
XVII. Publicity and Public Health Education.
XVIII. Vital Statistics.

The section on control of communicable diseases reports under the following heads: (1) Organization; (2) Notification; (3) Investiga-

tion and verification of cases; (4) Isolation; (5) Hospitalization; (6) Placarding; (7) Isolation period; (8) Terminal disinfection; (9) Control of contacts.

A striking feature in regard to the control of communicable diseases is the diversity of practice which leads to completely different methods of isolating the same disease in different communities. Hospitalization of communicable diseases is relatively incomplete in most cities. Two-thirds of the cities reporting still practice terminal fumigation, and many of the cities do not use available cultural methods for control of contacts.

As regards notification, typhoid fever, diphtheria, smallpox, scarlet fever, epidemic cerebrospinal meningitis, and poliomyelitis are reportable in all of the 83 cities. Mumps is not reportable in 4 cities, chicken pox is not reportable in 2, influenza not reportable in 5, pneumonia not reportable in 9, and malaria not reportable in 20 cities. Hookworm disease appears to be reportable in all of the southern cities but 4. The reporting of cases of tuberculosis is still exceedingly lax. Out of 66 cities for which data were secured on this point, 9 report less than 1 case per annual death, 28 report between 1 and 2 cases per death, 20 between 2 and 3 cases per death, and 9 more than 3 cases per death annually. It is stated that the best cities in this regard are Chicago, Flint, and Schenectady, with 4.1, 4.4, and 4.8 cases per death, respectively.

The information contained in this preliminary report of the committee should be of interest to all municipal health officers. The pamphlet may be had from the American Public Health Association for 20 cents a copy. A more complete report is to be published in book form and will be issued sometime during the latter part of 1922.

COURT DECISIONS.

TEACHER ENTITLED TO SALARY WHEN SCHOOL IS CLOSED DURING EPIDEMIC.

The Supreme Court of Illinois has decided[1] that where a school was closed by order of the State board of health on account of an influenza epidemic a teacher may recover her salary for the time during which the school was closed, the teacher being ready, able, and willing to teach and there being no provision in the contract covering such a contingency.

In this connection reference is made to the note on the case of Gregg School Tp., Morgan County *v.* Hinshaw, 132 N. E. 586, published in the Public Health Reports of February 3, 1922, page 240.

[1] Phelps *v.* School Dist. No. 109, Wayne County, 134 N. E. 312.

GEORGIA LAW REGULATING BARBERS HELD CONSTITUTIONAL.

The act regulating the occupation of barbers (Laws 1914, p. 75) as amended (Laws 1920, p. 109) has been held constitutional[1] by the Supreme Court of Georgia.

The act was attacked on the following grounds: (1) That it discriminated between persons engaged in the trade of barbering and persons engaged in other trades involving manual labor; (2) that it violated the provision of the State constitution requiring laws of a general nature to operate uniformly throughout the State because it was applicable only to barbers in cities or towns having populations in excess of 5,000 inhabitants; (3) that it violated both the State and Federal Constitutions relative to the equal protection of the laws in that it exempted from its provisions barbers engaged within the State at the date of its approval and who had been practicing their trade for three years prior to its approval and permitted such barbers to continue their occupations by making an affidavit of these facts and paying the sum of $2, while persons who had learned to practice such occupation without the State were required to pay the sum of $5 and to submit to an examination; and (4) that the classification of the towns and cities provided in the act had no reasonable relation to the subject matter of the act and was arbitrary and capricious. The supreme court rejected all of these contentions.

DEATHS DURING WEEK ENDED APRIL 8, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended April 8, 1922, and corresponding week, 1921. (From the Weekly Health Index, April 11, 1922, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Apr. 8, 1922.	Corresponding week, 1921.
Policies in force	48,931,741	46,605,524
Number of death claims	10,113	9,592
Death claims per 1,000 policies in force, annual rate	10.8	10.8

[1] Cooper et al. *v.* Rollins et al., 110 S. E. 726.

Deaths from all causes in certain large cities of the United States during the week ended April 8, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, April 11, 1922, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1921.	Week ended Apr. 8, 1922.		Annual death rate per 1,000, corresponding week, 1921.	Deaths under 1 year.		Infant mortality rate, week ended Apr. 8, 1922.[2]
		Total deaths.	Death rate.[1]		Week ended Apr. 8, 1922.	Corresponding week, 1921.	
Total	27,356,942	7,585	14.5	13.6	1,098	1,021	.....
Akron, Ohio	[3] 208,435	34	8.5	8.9	13	4	138
Albany, N. Y.	115,071	45	20.4	20.8	6	4	135
Atlanta, Ga.	[4] 220,047	75	17.8	15.3	10	9	.....
Baltimore, Md.	750,864	226	15.7	15.5	23	30	65
Birmingham, Ala.	186,133	46	12.9	16.0	5	7	.....
Boston, Mass.	757,634	253	17.4	15.6	42	29	112
Bridgeport, Conn.	[3] 143,555	30	10.9	13.2	6	9	75
Buffalo, N. Y.	519,608	179	18.0	14.5	39	27	153
Cambridge, Mass.	110,444	23	10.9	9.9	4	4	73
Camden, N. J.	119,672	40	17.4	13.9	9	5	138
Chicago, Ill.	2,780,655	729	13.7	11.7	129	95	.....
Cincinnati, Ohio	403,418	124	16.0	14.6	15	10	100
Cleveland, Ohio	831,138	186	11.7	12.2	33	25	85
Columbus, Ohio	245,358	79	16.8	13.8	8	7	84
Dallas, Tex.	165,282	41	12.9	15.5	4	6	.....
Dayton, Ohio	[3] 152,559	43	14.7	8.6	3	4	51
Denver, Colo.	263,152	89	17.6	16.2	5	10	.....
Detroit, Mich.	1,070,450	244	11.9	11.1	45	52	87
Fall River, Mass.	120,668	30	13.0	15.1	6	7	84
Fort Worth, Tex.	111,423	21	9.8	.....	1	.....	.....
Grand Rapids, Mich.	141,197	43	15.9	10.0	10	6	167
Houston, Tex.	144,340	28	10.1	14.8	2	11	.....
Indianapolis, Ind.	325,632	96	15.4	14.6	12	10	91
Jersey City, N. J.	302,788	81	13.9	17.6	16	16	102
Kansas City, Kans.	103,884	27	13.6	13.6	3	2	69
Kansas City, Mo.	336,157	116	18.0	13.5	11	9	.....
Los Angeles, Calif.	614,160	179	15.2	14.8	22	13	91
Louisville, Ky.	236,083	59	13.0	15.0	9	3	97
Lowell, Mass.	113,757	19	8.7	14.2	7	8	118
Memphis, Tenn.	165,656	34	10.7	15.7	1	7	.....
Milwaukee, Wis.	468,386	126	14.0	11.9	21	29	103
Minneapolis, Minn.	392,815	101	13.4	12.9	11	9	60
Nashville, Tenn.	122,036	34	14.5	18.4	3	6	.....
New Bedford, Mass.	125,012	32	13.3	12.5	11	4	164
New Haven, Conn.	167,007	50	15.6	15.9	8	4	98
New Orleans, La.	394,657	140	18.5	17.4	17	23	.....
New York, N. Y.	5,751,867	1,619	14.7	13.0	210	224	81
Newark, N. J.	424,885	108	13.3	12.5	14	13	62
Norfolk, Va.	121,260	20	8.6	10.3	4	3	71
Oakland, Calif.	226,472	51	11.7	9.9	3	9	38
Omaha, Nebr.	197,066	60	15.9	19.1	10	9	108
Paterson, N. J.	137,463	36	13.7	19.7	3	7	46
Philadelphia, Pa.	1,866,212	536	15.0	13.9	70	84	83
Pittsburgh, Pa.	602,452	198	17.1	17.9	37	28	118
Portland, Oreg.	264,850	62	12.2	11.4	6	4	59
Providence, R. I.	239,645	75	16.3	13.5	14	7	111
Richmond, Va.	175,686	69	20.5	14.8	13	4	158
Rochester, N. Y.	305,229	97	16.6	11.6	16	6	123
St. Louis, Mo.	786,164	217	14.4	10.7	33	12	.....
St. Paul, Minn.	237,781	58	12.7	11.2	6	3	56
Salt Lake City, Utah	121,595	30	12.9	11.1	6	3	89
San Francisco, Calif.	520,546	142	14.2	18.4	3	10	17
Seattle, Wash.	[3] 315,312	62	10.3	11.8	14	9	118
Spokane, Wash.	104,442	27	13.5	14.0	2	4	43
Springfield, Mass.	135,877	29	11.1	13.0	4	6	60
Syracuse, N. Y.	177,265	52	15.3	10.9	9	5	108
Toledo, Ohio	253,606	61	12.5	15.2	7	18	68
Trenton, N. J.	122,760	43	18.3	11.9	4	4	61
Washington, D. C.	[3] 437,571	123	14.7	14.8	16	20	92
Wilmington, Del.	113,408	30	13.8	13.8	5	9	97
Worcester, Mass.	184,972	57	16.1	19.2	12	9	130
Yonkers, N. Y.	103,324	21	10.6	17.7	7	7	146

[1] Annual rate per 1,000 population.
[2] Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1921. Cities left blank are not in the registration area for births.
[3] Enumerated population Jan. 1, 1920.
[4] Estimated population July 1, 1922.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended April 15, 1922.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.	Cases.
Chicken pox	43
Diphtheria	4
Dysentery	2
Hookworm disease	35
Influenza:	
Barbour County	24
Houston County	20
Marion County	19
Pike County	21
Scattering	19
Malaria	12
Measles	10
Pellagra	2
Pneumonia	9
Scarlet fever	1
Smallpox:	
Mobile	24
Scattering	6
Tetanus	1
Tuberculosis	8
Typhoid fever	6
Whooping cough	1

ARKANSAS.	
Chicken pox	27
Diphtheria	1
Influenza	115
Malaria	57
Measles	19
Pellagra	9
Scarlet fever	4
Smallpox	4
Trachoma	1
Tuberculosis	12
Typhoid fever	4
Whooping cough	3

CALIFORNIA.	Cases.
Diphtheria	126
Influenza	134
Lethargic encephalitis—Los Angeles	3
Measles	30
Poliomyelitis—Pasadena	1
Scarlet fever	89
Smallpox	40
Typhoid fever	9

COLORADO. (Exclusive of Denver.)	
Chicken pox	7
Diphtheria	23
Influenza	10
Measles	4
Mumps	6
Pneumonia	10
Scarlet fever	20
Smallpox	9
Trachoma	3
Tuberculosis	328

CONNECTICUT.	
Cerebrospinal meningitis	3
Chicken pox	35
Conjunctivitis (infectious)	3
Diphtheria:	
Bridgeport	10
Scattering	39
German measles	17
Influenza	287
Lethargic encephalitis	4
Measles:	
Bridgeport	13
Darien	8

CONNECTICUT—continued.

Measles—Continued.	Cases.
Hartford	51
New Haven	37
New London	18
Norwich	9
Stamford	21
West Hartford	8
Windsor	12
Scattering	39
Mumps	52
Pneumonia (lobar)	61
Scarlet fever:	
New Haven	10
Scattering	29
Smallpox	9
Tuberculosis (all forms)	30
Typhoid fever	2
Whooping cough	31

DELAWARE.

Chicken pox	10
Diphtheria	2
Influenza	2
Malaria	3
Measles	2
Pneumonia	2
Scarlet fever:	
Wilmington	41
Scattering	14
Tuberculosis	11
Whooping cough	1

FLORIDA.

Cerebrospinal meningitis	1
Diphtheria	18
Influenza	13
Malaria	8
Pneumonia	47
Poliomyelitis	1
Scarlet fever	2
Smallpox	16
Trachoma	1
Typhoid fever	8

GEORGIA.

Chicken pox	20
Diphtheria	2
Dysentery (amebic)	1
Dysentery (bacillary)	2
Hookworm disease	1
Influenza	77
Malaria	25
Measles	1
Mumps	10
Pneumonia	16
Scarlet fever	8
Septic sore throat	2
Smallpox	22
Tetanus	1
Tuberculosis (all forms)	7
Typhoid fever	7
Whooping cough	1

ILLINOIS.

Cerebrospinal meningitis	2
Diphtheria:	
Chicago	113
Scattering	74

ILLINOIS—continued.

	Cases.
Influenza	57
Lethargic encephalitis:	
Chicago	2
Scattering	2
Pneumonia	398
Scarlet fever	159
Smallpox	39
Typhoid fever	7
Whooping cough	106

INDIANA.

Cerebrospinal meningitis:	
St. Joseph County	1
Vigo County	2
Diphtheria	30
Rabies in animals:	
Green County	1
Putnam County	1
Scarlet fever	59
Smallpox	31
Typhoid fever	4

IOWA.

Diphtheria	16
Scarlet fever	32
Smallpox	16

KANSAS.

Cerebrospinal meningitis	2
Chicken pox	56
Diphtheria	27
Influenza	27
Measles	10
Mumps	32
Pneumonia	11
Scarlet fever	61
Smallpox	20
Tetanus	2
Trachoma	2
Tuberculosis	43
Typhoid fever	3
Whooping cough	15

LOUISIANA.

Diphtheria	12
Influenza	83
Measles	9
Scarlet fever	5
Smallpox	31
Typhoid fever	16

MAINE.

Chicken pox	2
Diphtheria	6
Influenza	4
Measles	1
Mumps	2
Ophthalmia neonatorum	1
Paratyphoid fever	1
Pneumonia	3
Scarlet fever	12
Smallpox	1
Tuberculosis	5
Typhoid fever	2

MARYLAND.[1]

	Cases.
Cerebrospinal meningitis	1
Chicken pox	75
Diphtheria	30
Dysentery	2
German measles	3
Influenza	204
Malaria	1
Measles	270
Mumps	152
Pneumonia (all forms)	107
Scarlet fever	71
Septic sore throat	1
Tuberculosis	54
Typhoid fever	1
Whooping cough	33

MASSACHUSETTS.

Cerebrospinal meningitis	3
Chicken pox	104
Conjunctivitis (suppurative)	18
Diphtheria	141
Dysentery	1
German measles	23
Influenza	66
Lethargic encephalitis	14
Measles	876
Mumps	127
Ophthalmia neonatorum	25
Pneumonia (lobar)	149
Scarlet fever	182
Septic sore throat	2
Trachoma	3
Tuberculosis (all forms)	180
Typhoid fever	9
Whooping cough	104

MINNESOTA.

Chicken pox	9
Diphtheria	34
Influenza	7
Measles	79
Pneumonia	5
Scarlet fever	134
Smallpox	43
Tuberculosis	135
Typhoid fever	1
Whooping cough	4

MISSISSIPPI.

Diphtheria	8
Poliomyelitis	1
Scarlet fever	2
Smallpox	9
Typhoid fever	7

MISSOURI.

Cerebrospinal meningitis	2
Chicken pox	25
Diphtheria	53
Influenza	44
Measles	29
Mumps	21
Pneumonia	24
Scarlet fever	42

MISSOURI—continued.

	Cases.
Smallpox	9
Trachoma	7
Tuberculosis	26
Typhoid fever	2
Whooping cough	17

MONTANA.

Diphtheria	25
Influenza	9
Scarlet fever	12
Smallpox	13
Typhoid fever	2

NEBRASKA.

Chicken pox	17
Diphtheria	14
German measles	2
Influenza	29
Measles:	
Knox County	11
Lincoln	27
Omaha	22
Scattering	25
Mumps	9
Scarlet fever	30
Smallpox	5
Whooping cough	1

NEW JERSEY.

Cerebrospinal meningitis	2
Chicken pox	126
Diphtheria	83
Influenza	31
Malaria	1
Measles	746
Pneumonia	126
Poliomyelitis	1
Scarlet fever	256
Trachoma	1
Typhoid fever	12
Whooping cough	73

NEW MEXICO.

Chicken pox	3
Conjunctivitis	4
Diphtheria	12
Influenza	192
Measles	1
Mumps	1
Ophthalmia neonatorum	2
Pneumonia	18
Scarlet fever	6
Trachoma	2
Tuberculosis	14

NEW YORK.

(Exclusive of New York City.)

Anthrax	1
Cerebrospinal meningitis	1
Diphtheria	119
Influenza	250
Lethargic encephalitis	5
Measles	513

[1] Week ended Friday.

NEW YORK—continued.

	Page.
Pneumonia	406
Poliomyelitis	3
Scarlet fever	282
Tetanus	1
Typhoid fever	24
Whooping cough	182

NORTH CAROLINA.

Chicken pox	122
Diphtheria	29
German measles	1
Measles	38
Scarlet fever	25
Septic sore throat	1
Smallpox	32
Typhoid fever	12
Whooping cough	250

OREGON.

Cerebrospinal meningitis	1
Chicken pox	14
Diphtheria:	
Portland	8
Scattering	5
Influenza	[1] 3
Measles	2
Mumps	7
Pneumonia	[1] 1
Scarlet fever	13
Septic sore throat	[1] 4
Smallpox:	
Portland	15
Scattering	5
Tuberculosis	11
Typhoid fever	1
Whooping cough	3

SOUTH DAKOTA.

Cerebrospinal meningitis	1
Chicken pox	7
Diphtheria	10
Influenza	10
Measles	3
Pneumonia	10
Scarlet fever	13
Smallpox	11
Tuberculosis	11
Whooping cough	1

TEXAS.

Chicken pox	76
Diphtheria	93
Influenza	113
Measles	119
Pneumonia	34
Scarlet fever	11
Smallpox	28
Typhoid fever	6

[1] Deaths.

VERMONT.

	Page.
Chicken pox	13
Diphtheria	1
Influenza	11
Measles	12
Mumps	9
Pneumonia	8
Scarlet fever	30
Whooping cough	15

WASHINGTON.

Chicken pox	50
Diphtheria:	
Prosser	18
Scattering	19
German measles	1
Lethargic encephalitis—Seattle	1
Measles	4
Mumps	35
Pneumonia	1
Scarlet fever	19
Smallpox:	
Spokane	15
Scattering	26
Tuberculosis	13
Whooping cough	37

WEST VIRGINIA.

Diphtheria	8
Influenza	32
Scarlet fever	17
Smallpox	3
Typhoid fever	3

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis	2
Chicken pox	19
Diphtheria	10
German measles	2
Influenza	2
Measles	4
Pneumonia	10
Scarlet fever	4
Tuberculosis	8
Typhoid fever	1
Whooping cough	54
Scattering:	
Chicken pox	72
Diphtheria	54
German measles	10
Influenza	798
Measles	19
Pneumonia	8
Scarlet fever	85
Smallpox	36
Trachoma	5
Tuberculosis	46
Typhoid fever	8
Whooping cough	41

Delayed Reports for Week Ended April 8, 1922.

COLORADO.

(Exclusive of Denver.)

	Page.
Chicken pox	15
Diphtheria	19
Influenza	21
Measles	2
Mumps	2
Pneumonia	31
Scarlet fever	34
Septic sore throat	1
Smallpox	4
Tuberculosis	33
Typhoid fever	2
Whooping cough	2

DISTRICT OF COLUMBIA.

Chicken pox	40
Diphtheria	7
Influenza	1
Lethargic encephalitis	1
Measles	5
Scarlet fever	3
Smallpox	1
Tuberculosis	21
Whooping cough	4

LOUISIANA.

	Page.
Diphtheria	15
Influenza	355
Scarlet fever	4
Smallpox	37
Typhoid fever	5

MAINE.

Chicken pox	11
Diphtheria	3
German measles	3
Influenza	215
Measles	1
Paratyphoid fever	1
Pneumonia	15
Scarlet fever	31
Tuberculosis	12
Typhoid fever	3
Whooping cough	1

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
Arkansas (March, 1922)	.....	27	2,580	88	28	20	.....	18	50	7
Connecticut (March, 1922)	14	271	1,680	.....	776	.....	1	358	114	11
Florida (March, 1922)	1	74	307	56	40	9	3	10	84	56
Massachusetts (March, 1922)	14	718	1,647	8	2,657	1	5	998	.....	32
Montana (December, 1921)	.....	58	3	.....	14	.....	.....	141	183	13
Montana (January, 1922)	6	52	9	.....	10	.....	2	125	177	8
Montana (February, 1922)	4	48	437	.....	14	.....	.....	95	113	.....
Nebraska (March, 1922)	2	74	699	.....	348	.....	3	288	92	8
New York (March, 1922)	50	1,809	7,737	.....	9,963	.....	14	3,102	1	73
North Dakota (January, 1922)	.....	67	.....	.....	.....	.....	1	193	153	5
Vermont (March, 1922)	.....	12	58	.....	58	.....	1	192	.....	2
West Virginia (January, 1922)	6	245	549	.....	185	.....	.....	169	94	85
West Virginia (March, 1922)	1	131	2,178	.....	190	.....	2	83	26	33
Wisconsin (March, 1922)	11	239	2,306	.....	40	.....	3	488	159	20
Wyoming (January, 1922)	.....	28	17	.....	10	.....	.....	28	34	12

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922.

ANTHRAX.

City.	Cases.	Deaths.
California:		
Los Angeles	.....	1

BERIBERI.

California:		
San Francisco	1	1

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Apr. 1, 1922.	
		Cases.	Deaths.
Alabama:			
Birmingham	0	1	.....
Connecticut:			
Waterbury	0	3	2
Delaware:			
Wilmington	0	1	.....
Georgia:			
Atlanta	1	.....	1
Illinois:			
Chicago	3	.....	1
Peoria	0	1	.....
Indiana:			
Muncie	0	.....	1
Iowa:			
Burlington	0	1	1
Maine:			
Sanford	0	1	1
Maryland:			
Baltimore	1	1	.....
Massachusetts:			
Lawrence	0	1	.....
Lowell	0	.....	1
Springfield	0	.....	1
Michigan:			
Detroit	1	1	.....
Minnesota:			
Austin	.....	.....	1
Nebraska:			
Omaha	0	1	1
New Jersey:			
Passaic	0	1	2
West Orange	0	1	.....
New York:			
New York	11	17	7
Ohio:			
Martins Ferry	.....	1	1
Salem	.....	1	1
Oklahoma:			
Tulsa	0	1	.....
Pennsylvania:			
Philadelphia	0	2	.....
Texas:			
Waco	0	.....	1
West Virginia:			
Charleston	0	.....	1
Wisconsin:			
Milwaukee	1	2	.....

DIPHTHERIA.

See p. 964; also Telegraphic weekly reports from States, p. 952, and Monthly summaries by States, p. 956.

INFLUENZA.

City.	Cases.		Deaths, week ended Apr. 1, 1922.
	Week ended Apr. 2, 1921.	Week ended Apr. 1, 1922.	
Alabama:			
Birmingham	.....	1	5
Mobile	.....	.....	1
Montgomery	.....	3	1
Arizona:			
Tucson	.....	.....	1
Arkansas:			
Little Rock	.....	12	.....
California:			
Alameda	1	1	.....
Berkeley	5	.....	.....
Long Beach	1	1	.....
Los Angeles	4	119	8
Oakland	1	13	2
Pasadena	.....	3	1
Riverside	.....	21	1
San Diego	.....	23	4
San Francisco	13	8	3
Santa Ana	.....	6	.....
Stockton	.....	1	.....
Connecticut:			
Bridgeport	.....	4	1
Hartford	3	1	.....
Meriden	.....	4	.....
New Britain	1	.....	.....
Stamford	1	.....	.....
Waterbury	.....	2	1
District of Columbia:			
Washington	1	6	3
Florida:			
Tampa	.....	9	.....
Georgia:			
Atlanta	.....	43	6
Augusta	.....	20	.....
Rome	.....	106	.....
Idaho:			
Pocatello	.....	.....	2
Illinois:			
Bloomington	.....	.....	1
Chicago	11	63	16
Decatur	.....	3	1
Oak Park	.....	2	.....
Quincy	.....	4	.....
Indiana:			
Indianapolis	.....	.....	1
Kokomo	.....	.....	1
Richmond	1	.....	.....
Terre Haute	.....	.....	1
Kansas:			
Salina	.....	63	.....
Kentucky:			
Lexington	.....	.....	1
Louisville	.....	4	.....
Louisiana:			
New Orleans	.....	23	5

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Apr. 1, 1922.
	Week ended Apr. 2, 1921.	Week ended Apr. 1, 1922.	
Maine:			
Portland	6		
Maryland:			
Baltimore	28	47	7
Cumberland	1	3	
Massachusetts:			
Belmont		1	
Beverly		1	
Boston	2	26	
Braintree		3	
Cambridge		1	
Chelsea	1		
Chicopee			1
Everett		2	
Fall River			1
Haverhill	2		
Lawrence		1	
Lynn	2		1
Malden		4	
Newburyport		1	
North Adams	5	1	
Pittsfield		2	
Saugus	3		
Springfield		3	
Winthrop		2	
Michigan:			
Detroit	4	17	7
Grand Rapids	1		
Highland Park	1	1	
Marquette		6	
Port Huron		2	
Minnesota:			
Minneapolis	4		2
Rochester		1	1
St. Paul			1
Missouri:			
Kansas City	2	9	5
St. Joseph		1	
St. Louis		4	1
Springfield			1
Montana:			
Billings			1
Great Falls			3
Missoula		1	2
Nevada:			
Reno		14	
New Jersey:			
Clifton	1	1	
Englewood		1	1
East Orange	1		
Garfield		1	
Harrison	5		
Jersey City	1	3	
Kearny	19	7	
Montclair		1	
Newark	17		
Passaic	1	8	1
Paterson	1		
Trenton	3	1	2
West Orange		1	
New York:			
Albany		36	
Auburn		2	
Binghamton		39	2
Buffalo	2	19	3
Cohoes		2	
Elmira		2	1
Jamestown		3	
Lockport		1	
Mount Vernon	11	2	

City.	Cases.		Deaths, week ended Apr. 1, 1922.
	Week ended Apr. 2, 1921.	Week ended Apr. 1, 1922.	
New York—Continued.			
New York	142	99	16
Niagara Falls	1		
North Tonawanda	4	2	
Ogdensburg			3
Poughkeepsie		3	
Rochester			1
Rome		6	
Saratoga Springs	2	38	
Schenectady	1	3	2
Syracuse		3	
Yonkers	1		
North Carolina:			
Charlotte			5
Salisbury			1
Wilmington		17	1
Ohio:			
Akron		5	
Barberton			1
Cambridge		1	
Canton	3		
Cincinnati		1	7
Cleveland		11	1
Columbus		12	4
Dayton		1	
East Cleveland		1	
Ironton		1	
Springfield			1
Toledo			5
Youngstown		1	1
Oregon:			
Portland		2	5
Pennsylvania:			
Philadelphia	8	14	15
Rhode Island:			
Providence	1	2	2
South Carolina:			
Greenville		37	
South Dakota:			
Sioux Falls	1		
Tennessee:			
Memphis			1
Nashville			3
Texas:			
Dallas	3		5
El Paso			3
Fort Worth		3	3
Houston		20	5
Utah:			
Provo		10	
Salt Lake City	1		
Virginia:			
Danville			3
Lynchburg			1
Petersburg		8	
Roanoke	1		1
Washington:			
Seattle	1		
West Virginia:			
Charleston		3	1
Fairmont		3	
Wisconsin:			
Fond du Lac		2	
La Crosse	2	1	
Manitowoc		7	
Milwaukee	11		
Superior			1
Wyoming:			
Casper		28	

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

LEPROSY.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Ohio:					
Cleveland	1				

LETHARGIC ENCEPHALITIS.

California:			New York:		
San Francisco	1		Yonkers	1	1
Illinois:			Texas:		
Oak Park		1	Galveston		1
Nebraska:					
Omaha		1			

MALARIA.

Arkansas:			Massachusetts:		
Little Rock	3		Boston	1	
Florida:			New York:		
Tampa	4		New York	1	1
Georgia:			Tennessee:		
Atlanta	1		Memphis	1	
Maryland:			Texas:		
Baltimore		1	Waco		1

MEASLES.

See p. 964; also Telegraphic weekly reports from States, p. 952, and Monthly summaries by States, p. 956.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			South Carolina:		
Birmingham	1		Charleston		1
Montgomery		1	Tennessee:		
Georgia:			Memphis		1
Augusta	1		Nashville	1	

PNEUMONIA (ALL FORMS).

Alabama:			Delaware:		
Birmingham		6	Wilmington		7
Montgomery		4	District of Columbia:		
Arizona:			Washington		15
Tucson		10	Florida:		
Arkansas:			Tampa		2
Fort Smith		3	Georgia:		
Little Rock	1		Atlanta		26
California:			Augusta	3	
Alameda	1		Brunswick		1
Bakersfield		1	Rome	4	
Eureka	1		Savannah		5
Long Beach	2	1	Illinois:		
Los Angeles	53	19	Aurora		4
Oakland	5	4	Bloomington		2
Pasadena	2		Chicago	294	49
Sacramento		4	Cicero	3	
San Bernardino		1	Decatur	8	1
San Diego		1	East St. Louis		1
San Francisco	14	5	Elgin		1
Santa Ana		1	Evanston	6	
Stockton		4	Forest Park	1	
Colorado:			Freeport	2	
Colorado Springs		1	Galesburg	2	
Greeley		2	Jacksonville		3
Connecticut:			Kewanee	1	
Bridgeport	7	2	La Salle	1	
Hartford	6	1	Oak Park		2
Meriden	2		Peoria		5
New London		2	Quincy	5	2
Norwalk		1	Rockford		1
Waterbury	10	7	Springfield	2	

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.
Indiana:		
Crawfordsville		2
East Chicago		3
Fort Wayne		2
Gary		1
Hammond		3
Indianapolis		5
Kokomo		2
South Bend		2
Iowa:		
Burlington	2	
Kansas:		
Coffeyville	2	
Fort Scott		1
Kansas City	6	
Parsons		1
Topeka	4	2
Wichita		3
Kentucky:		
Covington		4
Lexington		3
Louisville	17	7
Louisiana:		
New Orleans	15	12
Maine:		
Auburn		1
Bangor	1	
Biddeford		1
Lewiston	3	1
Portland		3
Sanford		4
Maryland:		
Baltimore	104	52
Cumberland		2
Massachusetts:		
Arlington	1	
Attleboro		1
Belmont	1	
Beverly	1	
Boston	23	34
Brookline		2
Cambridge	17	10
Chelsea		3
Chicopee		2
Clinton		2
Easthampton	4	
Everett	1	
Fall River		6
Framingham		5
Greenfield		2
Haverhill	6	
Holyoke	5	2
Lawrence	2	1
Leominster	1	
Lowell		3
Lynn	3	2
Malden		5
Melrose		3
Methuen		2
New Bedford		10
Newton		2
Pittsfield	3	1
Plymouth		1
Quincy		1
Salem	3	1
Somerville		5
Southbridge	1	
Springfield	5	3
Taunton		3
Wakefield	2	1
Waltham		2
Watertown		1
Webster		1
Westfield		1
Weymouth		2
Woburn		1
Worcester		1
Michigan:		
Detroit	113	42
Flint		2
Grand Rapids	13	2
Hamtramck	2	
Michigan—Continued.		
Highland Park	10	2
Ishpeming		2
Jackson		2
Kalamazoo	1	
Marquette	3	
Pontiac	3	
Port Huron	9	1
Saginaw		4
Sault Ste. Marie		2
Minnesota:		
Austin		2
Duluth	2	1
Minneapolis		10
St. Paul		6
Winona	2	
Missouri:		
Kansas City	20	10
St. Joseph		4
Springfield		5
Montana:		
Anaconda		12
Billings		1
Butte		1
Great Falls		2
Missoula	4	3
Nebraska:		
Lincoln		3
Omaha		5
Nevada:		
Reno		1
New Hampshire:		
Concord		2
New Jersey:		
Bayonne	1	
Belleville	3	
Bloomfield	3	
Clifton	1	
Elizabeth		5
Garfield		1
Hoboken		2
Jersey City	12	
Kearny		3
Montclair		2
Orange	14	2
Passaic	6	1
Paterson	4	
Plainfield	4	1
Rahway		1
Summit		1
Trenton	5	4
West Hoboken	1	
West New York		3
West Orange	4	
New York:		
Albany	17	
Binghamton	20	6
Buffalo	105	28
Cohoes	2	
Elmira	10	5
Geneva		1
Glens Falls		2
Hudson	1	
Jamestown	1	
Lackawanna	5	4
Lockport	6	1
Middletown		2
Mount Vernon	8	3
Newburgh	3	1
New York	545	237
Niagara Falls		2
North Tonawanda		2
Ogdensburg		2
Olean		1
Peekskill	2	
Port Chester	4	3
Poughkeepsie		3
Rochester	19	15
Rome	2	1
Saratoga Springs	3	
Schenectady	6	3
Syracuse	20	5

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.
New York—Continued.		
Troy		6
White Plains	2	
Yonkers	3	1
North Carolina:		
Charlotte		5
Durham		1
Raleigh		3
Rocky Mount		1
Wilmington	7	
Ohio:		
Akron	10	
Alliance		1
Barberton		1
Cambridge		2
Canton		3
Chillicothe		1
Cincinnati		11
Cleveland	42	18
Cleveland Heights	1	
Columbus		7
Dayton	1	
East Cleveland	2	
East Youngstown		1
Hamilton		2
Kenmore	1	
Lancaster		3
Lorain	6	
Mansfield		1
Martins Ferry	2	1
Newark		1
Niles	1	
Norwood	4	
Piqua	2	
Sandusky		1
Tiffin		1
Toledo		14
Youngstown		5
Zanesville		4
Oklahoma:		
Oklahoma		3
Oregon:		
Portland		3
Pennsylvania:		
Philadelphia	123	82
Rhode Island:		
Cranston		2
Rhode Island—Continued.		
Newport		1
Pawtucket		6
Providence		10
South Carolina:		
Charleston		7
Greenville		2
South Dakota:		
Sioux Falls		3
Tennessee:		
Memphis		6
Nashville		5
Texas:		
Beaumont		1
Dallas	5	4
El Paso		21
Galveston		4
Houston		1
Waco		1
Utah:		
Provo	7	1
Salt Lake City		4
Vermont:		
Burlington		2
Virginia:		
Alexandria		1
Danville		3
Lynchburg		5
Norfolk	3	2
Petersburg		3
Portsmouth		2
Richmond		3
Roanoke		1
West Virginia:		
Bluefield		2
Charleston		3
Clarksburg		2
Huntington		4
Wheeling		6
Wisconsin:		
Fond du Lac	16	2
Kenosha		2
Milwaukee	17	
Racine		2
Wyoming:		
Casper	7	1

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Apr. 1, 1922.	
		Cases.	Deaths.
Iowa:			
Burlington	0	1	
Massachusetts:			
Boston	0	2	
Lawrence	0		1
Minnesota:			
St. Paul	0		1
New York:			
New York	1	1	

RABIES IN ANIMALS.

City.	Cases.
California:	
Los Angeles	5
Georgia:	
Savannah	2
Kentucky:	
Louisville	2
Massachusetts:	
Arlington	2
Missouri:	
Kansas City	1

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

RABIES IN MAN.

City.	Cases.	Deaths.
Ohio:		
Akron	1	.....

SCARLET FEVER.

See p. 964; also Telegraphic weekly reports from States, p. 952, and Monthly summaries by States, p. 956.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Apr. 1, 1922.	
		Cases.	Deaths.
Alabama:			
Mobile	0	5	.....
Tuscaloosa	1	1	.....
Tucson	0	.....	1
California:			
Alameda	0	1	.....
Bakersfield	0	1	.....
Long Beach	1	2	.....
Oakland	0	1	.....
San Diego	0	1	.....
San Francisco	1	4	.....
Stockton	0	1	.....
Connecticut:			
Bridgeport	0	4	.....
Fairfield	.....	3	.....
Milford	.....	3	.....
District of Columbia:			
Washington	1	11	.....
Georgia:			
Atlanta	7	1	.....
Augusta	0	12	.....
Brunswick	0	2	.....
Savannah	0	1	.....
Illinois:			
Chicago	4	6	2
Pekin	0	2	.....
Peoria	5	4	.....
Iowa:			
Burlington	1	3	.....
Cedar Rapids	4	1	.....
Davenport	10	1	.....
Muscatine	0	6	.....
Sioux City	6	2	.....
Kansas:			
Kansas City	5	1	.....
Leavenworth	0	1	.....
Salina	5	1	.....
Wichita	7	1	.....
Kentucky:			
Louisville	3	3	.....
Maine:			
Waterville	1	1	.....
Michigan:			
Alpena	0	3	.....
Ann Arbor	1	.....	1
Flint	2	2	.....
Hamtramck	1	1	.....
Pontiac	0	1	.....
Minnesota:			
Minneapolis	17	9	.....
St. Paul	7	14	.....
Virginia	0	1	.....
Winona	0	1	.....
Missouri:			
Kansas City	7	9	1
Great Falls	1	1	.....
Nevada:			
Reno	0	1	.....
North Carolina:			
Durham	1	3	.....
Ohio:			
Alliance	0	1	.....
Bucyrus	0	2	.....
Canton	2	1	.....
Cincinnati	4	6	.....
Cleveland	4	1	.....
Dayton	1	5	.....
Fremont	0	1	.....
Hamilton	1	3	.....
Springfield	1	13	.....
Toledo	4	12	.....
Oklahoma:			
Oklahoma	8	2	.....
Oregon:			
Portland	3	8	.....
South Dakota:			
Sioux Falls	0	3	.....
Texas:			
Beaumont	0	1	.....
El Paso	0	2	.....
Waco	0	2	.....
Utah:			
Salt Lake City	10	5	.....
Virginia:			
Lynchburg	0	1	.....
West Virginia:			
Bluefield	3	2	.....
Parkersburg	0	3	.....
Wisconsin:			
Manitowoc	0	1	.....
Superior	0	5	.....
West Allis	.....	1	.....
Wyoming:			
Casper	.....	1	.....

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Georgia:			New York:		
Savannah	1	1	New York	1	
Illinois:			Virginia:		
Chicago	1		Portsmouth		1
Kentucky:			West Virginia:		
Lexington		1	Charleston	1	
Nebraska:					
Omaha	1	1			

TUBERCULOSIS.

See p. 964; also Telegraphic weekly reports from States, p. 952.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Apr. 1, 1922.		City.	Median for previous years.	Week ended Apr. 1, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Minnesota:			
Los Angeles	2	1		Minneapolis	1	1	
Oakland	0	1		St. Paul	0	1	1
San Bernardino	0		1	Missouri:			
San Francisco	3	1		St. Louis	1	1	
Connecticut:				Nevada:			
Bridgeport	0	1		Reno	0	1	
Delaware:				New Jersey:			
Wilmington	0	2		Rahway	0	1	
District of Columbia:				Trenton	0	3	
Washington	1	2		New York:			
Florida:				Elmira	0	1	1
Tampa	1	5		New York	8	7	2
Georgia:				Rochester	0	1	
Brunswick	0		1	Syracuse	0		1
Illinois:				Troy	0		1
Aurora	0	2		Ohio:			
Bloomington	0	1	1	Cleveland	1	1	
Chicago	3	5	1	Sandusky	0		1
Indiana:				Youngstown	0	1	1
Hammond	1	8		Pennsylvania:			
South Bend	0	1		Norristown	0	2	
Iowa:				Pittsburgh	1	1	
Mason City	0	1		Sharon	0	1	
Louisiana:				Tennessee:			
New Orleans	2	3		Knoxville	0	1	
Maine:				Nashville	1		1
Sanford	0	1		Texas:			
Maryland:				Dallas	0	1	
Baltimore	4	1		Galveston	1	1	1
Massachusetts:				Virginia:			
Boston	2	1		Alexandria	0	1	
Lynn	0	1		Petersburg	0		1
Michigan:				Portsmouth	0	1	1
Battle Creek	0	1		Wisconsin:			
Detroit	2		1	Superior	0		1
Saginaw	1	1					

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham	178,270	47	3	.....	11	.....	1	.....	5	6
Mobile	60,151	30	1	.....	.....	.....	2	.....	.....	2
Montgomery	43,464	20	.....	.....	1	.....	.....	.....	.....	4
Tuscaloosa	11,996	.....	2	.....	.....	.....	.....	.....	.....	.....
Arizona:										
Tucson	20,292	33	.....	1	.....	.....	.....	.....	.....	8
Arkansas:										
Fort Smith	28,811	15	.....	.....	.....	.....	.....	.....	.....	2
Hot Springs	11,695	4	.....	.....	.....	.....	.....	.....	.....	.....
Little Rock	64,997	.....	1	.....	.....	.....	2	.....	2	.....
California:										
Alameda	28,806	4	.....	.....	.....	.....	7	.....	.....	.....
Bakersfield	18,638	4	.....	.....	.....	.....	.....	.....	1	1
Eureka	12,923	3	1	.....	1	.....	2	.....	.....	.....
Long Beach	55,593	21	6	1	.....	.....	1	.....	1	.....
Los Angeles	576,673	201	44	1	5	.....	29	1	153	31
Oakland	216,361	55	17	2	1	.....	3	.....	.....	.....
Pasadena	45,354	20	2	.....	.....	.....	1	.....	1	1
Richmond	16,843	5	.....	.....	.....	.....	.....	.....	.....	.....
Riverside	19,341	12	.....	.....	.....	.....	.....	.....	.....	1
Sacramento	65,857	25	5	.....	1	.....	2	.....	1	3
San Bernardino	18,721	13	.....	.....	.....	.....	.....	.....	1	4
San Diego	74,683	30	7	.....	.....	.....	5	.....	10	2
San Francisco	508,410	146	43	1	5	.....	13	.....	35	20
Santa Ana	15,485	5	.....	.....	.....	.....	.....	.....	.....	.....
Stockton	40,296	13	2	.....	.....	.....	.....	.....	.....	5
Colorado:										
Colorado Springs	30,105	16	.....	.....	.....	.....	5	.....	15	6
Greeley	10,883	3	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut:										
Bridgeport	143,538	34	11	.....	13	.....	18	.....	2	3
Derby	11,238	4	.....	.....	.....	.....	.....	.....	.....	2
Fairfield	11,475	1	.....	.....	.....	.....	.....	.....	.....	.....
Greenwich	22,123	.....	1	.....	.....	.....	5	.....	.....	.....
Hartford	138,036	39	15	.....	26	.....	3	.....	2	.....
Manchester	18,370	4	.....	.....	.....	.....	.....	.....	.....	.....
Milford	10,193	0	1	.....	.....	.....	.....	.....	.....	.....
New London	25,688	14	1	1	12	.....	1	.....	.....	.....
Norwalk	27,700	9	.....	.....	.....	.....	.....	.....	.....	1
Norwich	22,304	6	.....	.....	1	.....	.....	.....	2	1
Waterbury	91,410	37	2	.....	1	.....	1	.....	1	2
Delaware:										
Wilmington	110,168	32	1	.....	2	.....	56	.....	.....	1
District of Columbia:										
Washington	437,571	128	15	1	4	.....	9	.....	25	11
Florida:										
Tampa	51,252	22	3	.....	3	.....	.....	.....	.....	3
Georgia:										
Albany	11,555	.....	.....	.....	.....	.....	.....	.....	11	.....
Atlanta	200,616	95	.....	.....	1	.....	3	.....	1	5
Augusta	52,548	.....	.....	.....	.....	.....	1	.....	.....	.....
Brunswick	14,413	2	.....	.....	.....	.....	.....	.....	.....	.....
Rome	13,252	.....	1	.....	.....	.....	.....	.....	.....	.....
Savannah	81,252	26	.....	.....	.....	.....	.....	.....	3	3
Valdosta	10,783	2	.....	.....	.....	.....	.....	.....	.....	.....
Idaho:										
Boise	21,393	5	.....	.....	.....	.....	.....	.....	.....	.....
Pocatello	15,001	10	.....	.....	.....	.....	.....	.....	.....	.....
Illinois:										
Alton	24,682	6	2	.....	.....	.....	.....	.....	.....	.....
Aurora	36,397	19	8	1	19	.....	2	.....	1	1
Bloomington	28,725	8	.....	.....	.....	.....	1	.....	.....	.....
Blue Island	11,424	2	4	.....	11	.....	.....	.....	.....	.....
Centralia	12,491	5	1	.....	1	.....	1	.....	.....	.....
Champaign	15,873	.....	.....	.....	.....	.....	1	.....	.....	.....
Chicago	2,701,705	659	137	14	464	4	105	3	257	50
Cicero	44,995	11	3	.....	.....	.....	1	.....	3	.....
Decatur	43,818	12	3	1	.....	.....	.....	.....	.....	.....
East St. Louis	66,740	13	3	.....	.....	.....	.....	.....	3	.....
Elgin	27,454	3	.....	.....	.....	.....	1	.....	.....	1
Evanston	37,215	8	.....	.....	1	.....	.....	.....	1	.....
Forest Park	10,768	.....	.....	.....	5	.....	.....	.....	.....	.....
Freeport	19,669	5	.....	.....	.....	.....	4	.....	.....	1
Galesburg	23,834	7	.....	.....	.....	.....	.....	.....	2	1
Jacksonville	15,713	13	.....	.....	.....	.....	1	.....	.....	1
Kewanee	16,026	2	.....	.....	.....	.....	4	.....	.....	.....

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
La Salle	13,050	2								
Mattoon	13,552	4								
Oak Park	39,830	13			7		3			
Pekin	12,086						3			
Peoria	76,121	21	1		1					1
Quincy	35,978	6	2				2		2	
Rockford	65,651	10					9			
Rock Island	35,177	10	1						2	2
Springfield	59,183	17	2							
Indiana:										
Anderson	29,767	4	2				1			
Bloomington	11,595	3	1							
Clinton	10,932	7								
Crawfordsville	10,139	5			1					
East Chicago	35,967	10	3		1					1
Fort Wayne	36,549	13	5	1	7		2			
Frankfort	11,385	1					1			
Gary	55,378	10	2		1		2		1	1
Hammond	36,004	6			1		1			
Huntington	14,000	5	1							1
Indianapolis	314,194	63	11		56		8		4	7
Kokomo	30,067	4					1			
La Fayette	22,486	8					2			
Logansport	21,626	1								
Mishawaka	15,195	3								
Muncie	36,624	7								
South Bend	70,983	12	1		1		1			
Terre Haute	66,083	20	2		1		4			
Iowa:										
Burlington	24,057	6							1	1
Cedar Rapids	45,566		1				2			
Davenport	56,727	2	2	2	1		2			
Des Moines	126,468		4				6			
Dubuque	39,141						1			
Mason City	20,065	8	3							1
Muscatine	16,068	11					1			
Ottumwa	23,003	1	1	1			1			
Sioux City	71,227		8				2			
Kansas:										
Coffeyville	13,452	3								
Fort Scott	10,693	7								
Kansas City	101,177		2				2		4	
Lawrence	12,456	1					1		4	
Leavenworth	16,912		1							
Parsons	16,028	5	1						1	
Salina	15,085	4	1				6			
Topeka	50,022	22	5		1		2		2	
Wichita	72,128	20		1			6		2	1
Kentucky:										
Covington	57,121	15	1		4		1			3
Lexington	41,534	20			12					2
Louisville	234,891	78	3		22		4		9	12
Owensboro	17,424		1				1			
Louisiana:										
New Orleans	387,219	107	6	1			6		20	14
Maine:										
Auburn	16,985	3	1				4			
Bath	14,731	3								
Biddeford	18,008	8								1
Lewiston	31,791	7					4			1
Portland	69,272	19	3				14			
Sanford	10,691	11								
Maryland:										
Baltimore	733,826	263	35	4	259	3	32		31	19
Cumberland	29,837	11	1				1			
Massachusetts:										
Adams	12,967	1	1						3	
Amesbury	10,036	1	1							
Arlington	18,665	1			4				2	
Attleboro	19,731	4								
Belmont	10,749	2			1		2		2	
Beverly	22,561	4	4		1		1			
Boston	748,060	237	47	1	185		40	1	55	17
Braintree	10,580	3					1			2
Brookline	37,748	9	1		4		1			1
Cambridge	109,694	36			58		8		7	3

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Chelsea	43,184	9					5		1	
Chicopee	36,214	6	3		3				1	
Clinton	12,979	7							1	
Danvers	11,108								1	
Dedham	10,792	1					1			
Everett	49,120	4	3		4		2		3	
Fall River	120,485	41	1		1		5	1	4	2
Framingham	17,033	12	1							
Gardner	16,971	2					4		1	
Greenfield	15,452	6	1		1					
Haverhill	53,884	17	5		1		3		4	1
Holyoke	60,203	23	1		23		1			2
Lawrence	94,270	19	6		63	1			4	1
Leominster	19,744	3			4					1
Lowell	112,479	29	2		8		2		2	3
Lynn	99,148	32	6	1	4		7		4	3
Malden	49,103	13	1		2		4		6	1
Melrose	18,204	9					1			
Methuen	15,189	7	3		15		5			
New Bedford	121,217	44	9				9		11	5
Newburyport	15,618	4			4					
Newton	46,054	9	3		2		5		3	1
North Adams	22,282	11								
Northampton	21,954	7			1		1		1	
Peabody	19,532	7			16		3			1
Pittsfield	41,751	9	2		1		2			1
Plymouth	13,045	4								
Quincy	47,876	6	1		6	1	4		4	
Salem	42,529	13			9		1		1	3
Somerville	93,091	21	6		48		2		1	1
Southbridge	14,245	4							2	
Springfield	129,563	33	4	1	16	1	2		4	1
Taunton	37,137	8							3	
Wakefield	13,025	5			3		1			
Waltham	30,915	10			4		2			
Watertown	21,457	2			3				1	
Webster	13,258	3			1					
West Springfield	13,443	2								
Westfield	18,604	6			21	1			1	1
Weymouth	15,057	4								
Winthrop	15,455	3								
Woburn	16,574	4								
Worcester	179,754	54	2				5		6	2
Michigan:										
Alpena	11,101		1							
Ann Arbor	19,516	13		1					6	
Battle Creek	36,164		4		13		1			
Benton Harbor	12,233	8		1			1			
Detroit	993,739	239	48	7	421	9	62	1	44	18
Flint	91,599	23	5	2			6			2
Grand Rapids	137,634	48	2		2		6		3	
Hamtramck	48,615	0	2		5				6	
Highland Park	46,499	10	1		69		3			
Ishpeming	10,500	5								
Kalamazoo	48,858	15	5				11		1	
Marquette	12,718	0					1			
Pontiac	34,273	10	1		40		4			
Port Huron	25,944	9			4					
Saginaw	61,903	15					3		1	
Sault Ste. Marie	12,096	6					1			
Minnesota:										
Austin	10,118	7								
Duluth	98,917	10	1				5			1
Faribault	11,089	1	2							
Mankato	12,469						4			
Minneapolis	380,582	96	14		39		43	1	18	6
Rochester	13,722	15							1	
St. Cloud	15,873						4			
St. Paul	234,595	57	9		10		41		15	3
Winona	19,143		1				1			
Missouri:										
Kansas City	324,410	96	12		4		9		8	9
St. Joseph	77,939	31					1			2
St. Louis	772,897	200	40				13		44	12
Springfield	39,631	91								3

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Montana:										
Anaconda	11,668	17								
Billings	15,100	9							1	
Butte	41,611	8								
Great Falls	24,121	6			3		1		1	
Missoula	12,668	9					1			
Nebraska:										
Lincoln	54,934	14	1	1	19		3			1
Omaha	191,601	57	11		39		2			3
Nevada:										
Reno	12,016	2								
New Hampshire:										
Berlin	16,104	0			1					
Concord	22,167	5								
Dover	13,029	1			8					
Keene	11,210	5								
Nashua	28,379	9								
New Jersey:										
Asbury Park	12,400	3							1	1
Atlantic City	50,682	8			4		4		5	
Bayonne	76,754		3		13		3		2	
Belleville	15,660		1		5					
Bloomfield	22,019	4			73				1	
Clifton	26,470		1				1			
Elizabeth	95,682		5		1		10		4	1
Englewood	11,627	4								
Garfield	19,381	4					1		2	
Harrison	15,721				4					
Hoboken	68,166	15	2		45	1	2		2	2
Jersey City	297,864		19		104		29		6	
Kearny	26,724	6	1		1		3		2	
Montclair	28,810	4	1		4		3			
Morristown	12,548	6			2		3			
Orange	33,268	4	2		2		4		3	
Passaic	63,824	9	3		4		5		5	1
Paterson	135,866		6		65		6		11	
Perth Amboy	41,707		2		2		4			
Phillipsburg	16,923	3								
Plainfield	27,700	8			5		2		1	
Rahway	11,042	1			1		2			
Summit	10,174	2					1		2	
Trenton	119,289	38	6	1	32		12		7	1
Union	20,651				8		8			
West Hoboken	40,068	8	3		17		3			
West New York	29,926	6			6		5		3	
West Orange	15,573	3	2		1		5			
New Mexico:										
Albuquerque	15,157	10								4
New York:										
Albany	113,344		4		1		6		7	
Auburn	36,192	6	3				2		2	
Binghampton	66,800	23					5		1	
Buffalo	506,775	175	13	1	4	1	52	1	32	11
Cohoes	22,987	5								
Elmira	45,305	29			89		3		1	2
Geneva	14,648	3								
Glens Falls	16,638	5	1						1	
Hudson	11,745	2	1		2					
Ithaca	17,004	12	1						1	
Jamestown	38,917	11			14		1			1
Lackawanna	17,918	7					1			
Lockport	21,308	12					2			1
Middletown	18,420						1		1	
Mount Vernon	42,726	13			8		3		3	1
Newburgh	30,366	13	1						1	
New York	5,621,151	1,534	302	28	2,052	40	421	9	[1] 293	[1] 123
Niagara Falls	50,760	11	5		18		5			
North Tonawanda	15,482	7					1			
Ogdensburg	14,609	15								
Olean	20,506	8								
Peekskill	15,868	12	4	2	9	1	1		1	
Port Chester	16,573	5	1	1						
Poughkeepsie	35,000	11	1		42				1	1
Rochester	295,750	84	5		14		3		18	3
Rome	26,341	11	1		9		2			2

[1] Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
Saratoga Springs	13,181	4	3							
Schenectady	88,723	15	3				6			
Syracuse	171,717	52	17		1		13	1	7	1
Troy	72,013	29	5						1	1
White Plains	21,031	3			16		2			
Yonkers	100,226	22	5		31	1	12			1
North Carolina:										
Charlotte	46,338	28								3
Durham	21,719	7							3	1
Greensboro	19,861	4								
Raleigh	24,418	10								
Rocky Mount	12,742	7								1
Salisbury	13,884	2								1
Wilmington	33,372	8							2	
North Dakota:										
Fargo	21,961						4			
Ohio:										
Akron	208,435	40	9		87		11		2	
Alliance	21,603	5								
Barberton	18,811	5							1	1
Bucyrus	10,425	2								1
Cambridge	13,104	5			3					
Canton	87,091	20	5	1	111		4			1
Chillicothe	15,831	7								1
Cincinnati	401,247	105	10	1	114	2	6		18	9
Cleveland	796,836	191	35	3	158	1	48	2	78	19
Cleveland Heights	15,236						2			
Columbus	237,031	78	3		4		3		5	8
Dayton	152,559	44	3		1		2		1	
East Cleveland	27,292	6								
East Youngstown	11,237	4								
Findlay	17,021	4	1							1
Fremont	12,468	5								
Hamilton	39,675	9	1		2					
Ironton	14,007	1								
Kenmore	12,683		1		2		1		1	
Lancaster	14,706	7	2							1
Lima	41,306	8	4		1		1			
Lorain	37,295		1				5		1	
Mansfield	27,824	11								
Marion	27,891		1						1	
Martins Ferry	11,634	2	1							
Middletown	23,594	6							1	
Newark	28,718	9								
New Philadelphia	10,718		3							
Niles	13,080	1	4				1			
Norwood	24,936	3			4		2	1		
Piqua	15,044	2								
Salem	10,305	5					2			
Sandusky	22,897	3					3			1
Springfield	60,840	14	1						2	1
Steubenville	28,508	11					2		1	
Toledo	243,109	77	11		17		3		4	5
Youngstown	132,358	23	1		6		3		2	
Zanesville	29,569	12					4		2	
Oklahoma:										
Oklahoma	91,258	23	2				2			2
Tulsa	72,075				11		2			
Oregon:										
Portland	258,288	69	5		1		4		14	4
Pennsylvania:										
Allentown	73,502								1	
Altoona	60,331				1		3			
Bethlehem	50,358						2			
Braddock	20,879				1		1			
Butler	23,778		1				1			
Carbondale	18,640								1	
Carlisle	10,916				2		1			
Chambersburg	13,171				1					
Connellsville	13,804		2							
Dubois	13,681		3							
Erie	93,372						1		3	
Farrell	15,586				1					
Harrisburg	75,917		2							
Hazleton	32,277		1		15		2			

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Johnstown	67,327				3					
Lancaster	53,150		1		1		2		1	
Lebanon	24,643		1				5			
McKeesport	45,975				6					
McKees Rocks	16,713		1							
Meadville	14,568				1					
New Castle	44,938				15					
New Kensington	11,987				1					
Norristown	32,319		2		2		1			
North Braddock	14,928		1		1					
Philadelphia	1,823,158	566	55	6	45	1	135	3	79	44
Phoenixville	10,484		1							
Pittsburgh	588,193		15		41		37		27	
Pittston	18,497		1							
Plymouth	16,500				17					
Pottstown	17,431		1				1		1	
Pottsville	21,876				2		2			
Reading	107,784		3		3				20	
Scranton	137,783		2		1				1	
Shamokin	21,204		1							
Sunbury	15,721				10					
Swissvale	10,908				2					
Tamaqua	12,363				10					
Uniontown	15,692		1		1		2			
Warren	14,256		1				1			
Washington	21,480		1		2					
Wilkes-Barre	73,833		1		3				1	
Williamsport	36,198				1					
York	47,512						1		3	
Rhode Island:										
Cranston	29,407	7								
Newport	30,255	6	4				1			
Pawtucket	64,248	25	1							
Providence	237,595	71	10	1	1		2			8
South Carolina:										
Charleston	67,957	30								3
Columbia	37,524						1			
Greenville	23,127	11								3
South Dakota:										
Sioux Falls	25,176	8			2		5		1	
Tennessee:										
Chattanooga	57,895		1				1			
Knoxville	77,818				6				5	5
Memphis	162,351	46	5				3		7	5
Nashville	118,342	42					3		5	3
Texas:										
Beaumont	40,422	6							1	4
Corpus Christi	10,522	4								
Dallas	158,976	34	5		105		5		2	4
El Paso	77,543	60	1				2			13
Fort Worth	106,482	27	1						2	2
Galveston	44,255	19								1
Houston	138,076	42	3							1
Waco	38,500	8							2	
Utah:										
Provo	10,303	4								
Salt Lake City	118,110	31	1	2	2		2		3	2
Vermont:										
Barre	10,008						3			
Burlington	22,779	7	2				3			
Rutland	14,954	5	1							
Virginia:										
Alexandria	18,060	5	1							
Danville	21,539	16					1		21	
Lynchburg	29,956	15	1						2	
Norfolk	115,777		3				1		4	3
Petersburg	31,002	11							6	2
Portsmouth	54,387	15	2							2
Richmond	171,667	52	3		22				26	5
Roanoke	50,842	15	3		1					2
West Virginia:										
Bluefield	15,282	4	1							
Charleston	39,608	21					1			
Clarksburg	27,869	6	2				3			
Fairmont	17,851						3			

CITY REPORTS FOR WEEK ENDED APRIL 1, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
West Virginia—Continued.										
Huntington	50,177	17	.....	.....	.....	.....	.....	.....	.....	4
Martinsburg	12,515	.....	.....	.....	22	.....	.....	.....	.....	.....
Morgantown	12,127	.....	.....	.....	.....	.....	1	.....	.....	.....
Moundsville	10,669	4	1	.....	3	.....	2	.....	.....	.....
Parkersburg	20,050	5	.....	.....	.....	.....	.....	.....	.....	1
Wheeling	54,322	19	1	.....	2	.....	.....	.....	18	1
Wisconsin:										
Appleton	19,561	.....	2	.....	.....	.....	1	.....	.....	.....
Ashland	11,334	.....	.....	.....	.....	.....	1	.....	.....	.....
Beloit	21,284	1	.....	.....	.....	.....	2	.....	3	.....
Eau Claire	20,880	.....	.....	.....	.....	.....	.....	.....	1	.....
Fond du Lac	23,427	7	2	.....	.....	.....	.....	.....	.....	.....
Green Bay	31,017	4	1	.....	.....	.....	.....	.....	.....	.....
Janesville	18,293	2	1	.....	.....	.....	.....	.....	.....	.....
Kenosha	40,472	6	4	.....	.....	.....	.....	.....	.....	.....
La Crosse	30,363	.....	.....	.....	.....	.....	1	.....	.....	.....
Madison	38,378	.....	1	.....	1	.....	2	.....	.....	.....
Manitowoc	17,563	.....	1	.....	.....	.....	.....	.....	1	.....
Milwaukee	457,147	.....	15	.....	2	.....	23	.....	31	.....
Oshkosh	33,162	13	.....	.....	1	.....	.....	.....	1	2
Racine	58,593	11	4	1	1	.....	5	.....	.....	1
Sheboygan	30,955	.....	4	.....	.....	.....	.....	.....	.....	.....
Stevens Point	11,371	.....	1	.....	.....	.....	.....	.....	.....	.....
Superior	39,624	9	2	.....	.....	.....	4	.....	.....	3
Waukesha	12,558	.....	3	.....	1	.....	2	.....	.....	.....
West Allis	13,765	.....	.....	.....	.....	.....	1	.....	.....	.....
Wyoming:										
Casper	11,447	4	.....	.....	2	.....	.....	.....	1	.....
Cheyenne	13,829	0	1	.....	.....	.....	.....	.....	.....	.....

FOREIGN AND INSULAR.

PLAGUE ON VESSEL.

Steamship "City of Genoa"—At Suez and Port Said.

The steamship *City of Genoa* from Karachi and Bombay, India, for Plymouth, England, arrived March 11, 1922, at Suez, Egypt, with a case of plague on board and a history of a death from plague occurring en route March 9, 1922. It was stated that numerous rats had been observed in the hold during the last previous stay of the vessel at Liverpool, England. The *City of Genoa* proceeded in quarantine to Port Said, Egypt, where a second case of plague and a suspect case, both occurring among the crew, were landed March 12, 1922. On March 13 the suspect case was declared positive and on March 15 the death of one of the cases landed at Port Said was reported.

AUSTRALIA.

Plague—Sydney.

During the week ended April 15, 1922, three cases of plague with one death were reported at Sydney, Australia.

CANADA.

Measles—Ontario—March, 1922.

The report of the Provincial Board of Health of the Province of Ontario, Canada, for the month of March, 1922, shows the occurrence in the Province of 695 cases of measles, as compared with 238 cases reported during the month of March, 1921. Four deaths from measles were reported for each period.

JAPAN.

Influenza—Aichi Prefecture.

Influenza has been reported in Aichi Prefecture, Japan, as follows: November, 1921, 23 cases with 3 deaths; December, 1921, 165 cases with 9 deaths; January, 1922, 689 cases with 5 deaths. The occurrence was stated to be fairly evenly distributed throughout the Prefecture. The type of the disease was stated to be mild and without serious complications. Statistics of mortality from the disease were reported not to be available. (Population of the Prefecture in 1912, 2,000,000.)

MEXICO.

Epidemic Smallpox—Monterey.

Under date of April 13, 1922, epidemic smallpox was reported at Monterey, Mexico, with two deaths from the disease occurring April 12, 1922.

Trachoma on Vessels—Vera Cruz.

Two cases of trachoma were found on vessels leaving for United States ports from Vera Cruz during the month of March, 1922.

RUSSIA.

Typhus Fever—Recurrent Typhus—Lithuania.

During the month of January, 1922, 814 cases of typhus fever with 73 deaths, and 357 cases of recurrent typhus with 12 deaths, were reported in the Province of Lithuania, Russia.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended April 21, 1922.[1]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India				Jan. 1-14, 1922: Deaths, 1,603.
Calcutta	Feb. 19-25	19	17	
Rangoon	Feb. 19-25	6	4	
Indo-China:				
Saigon	Jan. 29-Feb. 18	24	23	Including 100 km. surrounding country.
Siam:				
Bangkok	Feb. 12-18	2		

PLAGUE.

Brazil:				
Bahia	Feb. 12-18	1	1	
Ceylon:				
Colombo	Feb. 19-25	1	1	
China:				
Amoy	Feb. 19-Mar. 4			Present in surrounding country.
Hongkong	Feb. 12-Mar. 4	23	11	
Egypt				Jan. 1-Mar. 16, 1922: Cases, 43; deaths, 22.
City—				
Alexandria	Mar. 12-16	2	2	One case, 1 death septicemic.
Port Said	Mar. 15	1	1	
Suez	Mar. 14	1	1	
India				Feb. 5-11, 1922: Cases, 2,805; deaths, 2,258.
Bombay	Feb. 5-11	18	4	
Karachi	Feb. 26-Mar. 6	20	15	
Madras Presidency	do	398	282	
Rangoon	Feb. 19-25	51	45	
Indo-China:				
Saigon	Jan. 29-Feb. 4			Plague-infected rats: Four.
Java				Islands of Java and Madoera: Jan. 1-31, 1922—cases, 976; fatal.
East Java—				
Soerabaya	Feb. 5-11	1	1	
Mexico:				
Tampico				Apr. 2-8, 1922: One plague-infected rat; total infected rats, Jan. 1-Apr. 8, 1922: 14.

[1] From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended April 21, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Senegal:				
Dakar	Feb. 1-28	2		
Siam:				
Bangkok	Feb. 5-18	8	5	
Straits Settlements:				
Singapore	Feb. 22-28	24	6	
On vessel:				
S. S. City of Genoa	Mar. 9-15	4	2	At Suez and Port Said, Egypt, from Karachi and Bombay, India, for Plymouth, England: One fatal case at sea en route to Suez: 1 case on arrival. At Port Said, 2 cases, of which 1 fatal.

SMALLPOX.

Brazil:				
Bahia	Jan. 29-Feb. 4	1		
Rio de Janeiro	Feb. 26-Mar. 11	18	4	
Sao Paulo	Jan. 2-8	1		
Canada:				
Ontario—				
Niagara Falls	Apr. 4-10	2		Reported to be increasing; type mild.
Toronto	Mar. 26-Apr. 1	4		
Ceylon:				
Colombo	Feb. 19-25	1		Port case.
China:				
Amoy	Feb. 19-Mar. 4		3	
Hongkong	Feb. 12-Mar. 4	25	20	
Nanking	Feb. 25-Mar. 11			Present.
Shanghai	Mar. 5-12	1	5	Cases, foreign: deaths, native.
Haiti				Mar. 19-25, 1922: A few cases.
India				Jan. 1-14, 1922: Cases, 329.
Bombay	Feb. 5-11	5	1	
Calcutta	Feb. 19-25	10	10	
Karachi	Feb. 29-Mar. 4	8	4	
Madras	do	91	36	
Rangoon	Feb. 19-25	22	1	
Indo-China:				
Saigon	Jan. 29-Feb. 18	4	2	Including 100 km. surrounding country.
Japan:				
Taiwan Island	Mar. 1-10	1		
Mexico:				
Guadalajara	Feb. 1-28	20	3	
Mexico City	Feb. 19-Mar. 4	32		Including municipalities in Federal District.
Monterey	Apr. 12		2	Epidemic.
San Luis Potosi	Mar. 26-Apr. 1		6	
Senegal:				
Dakar	Feb. 1-28	3	3	
Spain:				
Valencia	Mar. 12-18	1	1	
Straits Settlements:				
Singapore	Feb. 12-18	21	2	
Switzerland:				
Zurich	Mar. 12-18	5		
Turkey:				
Constantinople	do	14	1	
Union of South Africa:				
Southern Rhodesia	Feb. 16-22	80		Natives.

TYPHUS FEVER.

Algeria:				
Algiers	Mar. 1-10	1		
Oran	Mar. 11-20	7	4	
Bulgaria:				
Sofia	Mar. 12-18	1		
Egypt:				
Cairo	Jan. 15-21	1	1	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended April 21, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Mexico City	Feb. 19-25	39		Including municipalities in Federal District.
Russia:				
Lithuania	Jan. 1-31	814	73	Recurrent typhus: Cases, 357; deaths, 12.
Turkey:				
Constantinople	Mar. 12-18	16		

YELLOW FEVER.

Brazil:				
Pernambuco	Feb. 19-25	1	1	

Reports Received from December 31, 1921, to April 14, 1922.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India				Oct. 2-Dec. 31, 1921: Deaths, 37,749. (Corrected report.)
Bombay	Oct. 30-Nov. 5	1		
Do	Jan. 29-Feb. 4	1	1	
Calcutta	Oct. 23-Dec. 31	71	60	
Do	Jan. 1-Feb. 18	116	102	
Karachi	Nov. 6-12		1	
Madras	Dec. 11-31	4	1	
Do	Jan. 1-Feb. 4	10	7	
Rangoon	Oct. 1-Dec. 31	30	24	
Do	Jan. 1-Feb. 11	24	21	
Indo-China:				
Saigon	Nov. 6-12	1	1	
Java:				
West Java—				
Batavia	Nov. 1-7	2	2	At Lebak.
Philippine Islands:				
Manila	Nov. 13-Dec. 31	49	18	
Do	Jan. 1-Feb. 18	76	24	
Province—				
Bulacan	Dec. 25-31	1		
Pampanga	do	1		
Zambales	Dec. 11-31	31	18	
Poland				Aug. 14-Sept. 10, 1921: Cases, 4; deaths, 1.
Russia:				
Kharkoff	Jan. 28			Present.
Kieff	Dec. 15-Jan. 11	259		
Latvia—				
Riga				At quarantine station in October, 1921: One case.
Odessa	Jan. 28			Present.
Siam:				
Bangkok	Oct. 23-Dec. 24	8	4	
Do	Jan. 29-Feb. 4	2	2	

PLAGUE.

Asia Minor:				
Smyrna	Nov. 27-Dec. 3	1	1	
Australia:				
New South Wales—				
Sydney	do	2	1	Dec. 7-13: 4 plague rats. Jan. 15-21, 1922: 1 plague rat.
Do	Jan. 29-Apr. 8	8	1	Mar. 26-Apr. 1, 1922: Cases reported, 6 to 10; 1 death.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia—Continued.				
Queensland—				
Aramac	Mar. 19–25	1	1	Inland town on railroad about 150 miles from coast.
Brisbane	Oct. 30–Dec. 31	27	20	Total, Aug. 22–Dec. 31, 1921: Cases, 41; deaths, 27. Total infected rats, 54. Total cases, Jan. 1–Mar. 18, 1922: 10. Total infected rats, 10.
Do	Jan. 1–Mar. 18	10		
Bundaberg	Mar. 5–11	1		
Cairns	Oct. 30–Dec. 31	6	3	Plague rats, 9.
Do	Jan. 1–7		1	
Cooktown	Oct. 30–Nov. 5	1		Pestis minor.
Ingham				Nov. 6–Dec. 24, 1921: Plague rats, 14. Jan. 1–14, 1922: 2 plague rats.
Inisfail				Nov. 27–Dec. 3, 1921: 1 plague rat.
Ipswich	Dec. 11–17	1	1	
Port Douglas	Nov. 13–19	1	1	
Townsville	Nov. 20–Dec. 3	2	2	Total cases, 27; deaths, 18.
Do	Jan. 1–14		2	To Jan. 14, 1922: Cases, 32; deaths, 21.
Azores:				
Islands—				
Fayal	Jan. 16–22	2	2	
St. Michael				Nov. 27–Dec. 31, 1921: Cases, 23; deaths, 9. Jan. 1–21, 1922: Cases, 13; deaths, 8. Jan. 22–Mar. 4, 1922: Cases, 51, deaths, 25; occurring at Arrifes, Capelas, Fenaes, Ribeira Grande and Santo Antonio; distance from port of Ponta Delgada, 3 to 9 miles.
Arrifes	Dec. 25–31	1	1	3 miles from port.
Do	Jan. 1–7	1		
Fenaes d'Ajuda	Nov. 27–Dec. 3			Present. 6 miles from port.
Do	Jan. 15–21	3	2	
Ribeira Grande	Nov. 13–Dec. 10	19	8	9 miles from port.
Do	Jan. 8–14	9	6	
Livramonto	Dec. 4–10	2		Vicinity of Ponta Delgada.
Ponta Delgada	do	1		
Brazil:				
Bahia	Oct. 30–Dec. 31	13	12	
Do	Jan. 1–28	12	9	
Para	Feb. 6–12		1	
Rio de Janeiro	Jan. 22–28	1	1	
British East Africa:				
Uganda	Aug. 1–Nov. 29	169	140	Aug. 1–Oct. 31, 1921: Reports of inspectors, deaths, 343; reports of chiefs, deaths, 651.
Cape Verde Islands:				
St. Vincent	Mar. 16			Present; no plague mortality reported during previous 5-month period. August, 1921: Cases, 6; deaths, 3.
Ceylon:				
Colombo	Oct. 30–Dec. 31	13	10	Oct. 30–Dec. 24, 1921: Rodent plague, 6.
Do	Jan. 1–Feb. 18	22	19	Infected rats, 10.
Chile:				
Antofagasta				Mar. 5–11, 1922: 1 plague rat.
China:				
Hongkong	Nov. 20–Dec. 17	6		
Do	Jan. 1–Feb. 11	19	10	
Ecuador:				
Guayaquil	Nov. 16–Dec. 31	18	6	Rats examined, 2,958; found infected, 90. Total, July–Dec. 15, 1921: Cases, 28. Jan. 1–Feb. 28, 1922: Rats examined, 11,800; found infected, 295.
Do	Jan. 1–Feb. 28	31	12	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt				Jan. 1–Dec. 31, 1921: Cases, 356; deaths, 153. Jan. 1–Mar. 9, 1922: Cases, 39; deaths, 19.
City—				
Alexandria	Dec. 5–30	7	2	
Do	Jan. 17–Mar. 7	6	3	Feb. 12–18, 1922: 1 plague rodent.
Port Said	Dec. 20	1		
Suez	Nov. 22–Dec. 31	16	9	
Do	Jan. 2–20	4	2	
Province—				
Assouan	Feb. 28	1	1	Septicemic.
Fayoum	Feb. 17–Mar. 9	5	1	
Gharbieh	Feb. 17–28	4		
Girgeh	Jan. 12	1		Do.
Kench	Dec. 1	1		Do.
Do	Jan. 21–Feb. 28	4	3	Pneumonic, 1 case, 1 death; septicemic, 1 case.
Minieh	Feb. 21–Mar. 9	3	3	Septicemic.
Greece:				
Preveza	Feb. 8			Outbreak. Port on the Ionian Sea.
India				Oct. 23–Dec. 31, 1921: Cases, 8,690; deaths, 6,458 (reports, weeks ended Dec. 3 and 17, 1921, missing). Jan. 1–Feb. 4, 1922: Cases, 10,246; deaths, 7,842.
Bombay	Oct. 23–Dec. 24	7	6	
Do	Jan. 1–Feb. 4	15	14	
Calcutta	Jan. 29–Feb. 11	2	2	
Karachi	Nov. 6–Dec. 31	5	5	
Do	Jan. 1–Feb. 25	62	49	
Madras	Dec. 11–17	1		
Madras Presidency	Nov. 13–Dec. 31	2,047	1,438	
Do	Jan. 1–Feb. 25	2,784	2,011	
Rangoon	Oct. 1–Dec. 31	139	129	
Do	Jan. 1–Feb. 11	206	180	
Indo-China:				
Saigon				Nov. 6–Dec. 24, 1921: Rodent plague, 10. Jan. 8–28, 1922: Rodent plague, 4.
Italy:				
Catania	Nov. 27	1	1	Total, Oct. 16–Nov. 27, 1921: Cases, 8 (of which 1 doubtful); deaths, 5. Jan.–Feb., 1922: 28 plague-infected rats found.
Naples (Province)—				
Torre Annunziata	Oct. 22–Dec. 27	2		17 miles from city of Naples.
Venice	Oct. 27	1		
Java				Islands of Java and Madoera: Nov. 1–Dec. 31, 1921: Deaths, 1,781.
East Java—				
Soerabaya	Oct. 30–Dec. 10	11	12	
Do	Jan. 1–28	3	3	
Madagascar:				
Tananarive	Mar. 2	38		Among natives. Entire city reported infected. Feb. 4: Present.
Mauritius (Island):				
Port Louis	Oct. 29–Dec. 30	241	142	Plague-infected rats, 176; plague-infected cats, 36. (Corrected report.) Dec. 1–30, 1921: Dead rats found, 155; dead cats, 4.
Do	Dec. 31–Jan. 11	7	2	Dead rats found, 17.
Mesopotamia:				
Bagdad	Oct. 1–31	1	1	
Mexico:				
Tampico	Mar. 26–Apr. 1	1		Dec. 18–31, 1921: Infected rodents found, 5; total, Jan. 1–Dec. 31, 1921, infected rodents, 322; Jan. 1–Apr. 1, 1922, 13 plague-infected rodents.
Vera Cruz				One infected rodent caught Dec. 5, 1921.
Peru				Nov. 17–Dec. 31, 1921: Cases, 94; deaths, 35. Occurring in Callao, Huacho, Huaras, Lima, Magdalena Vieja, Paita, Salaverry, and Sechura, Jan. 1–Feb. 28, 1922: Cases, 141; deaths, 62. (Corrected report to Feb. 15, 1922.)

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Localities—				
Bambamarca	Jan. 1-15			Present. Rural.
Barranco	Jan. 16-31	1		
Callao	Jan. 1-Feb. 28	7	4	Rural. Year, 1921: Deaths, 30.
Casma	Feb. 1-28	11	3	
Chiclayo	Jan. 16-Feb. 28	19	16	
Chilca	Jan. 16-Feb. 15	11	2	
Cutervo	Jan. 1-15	1		Rural.
Guadalupe	Jan. 1-31	7	2	
Huacho	Jan. 1-Feb. 15	3		
Hualgayoc	Jan. 16-31			Province. Present.
Huaral	Jan. 1-15	2		
Jayanca	do			Present.
Lambayeque	Jan. 16-Feb. 15	3	1	
Lima	Jan. 1-Feb. 28	14	4	In district, 20 cases; 6 deaths.
Mollendo	Feb. 1-28	3		
Pacasmayo	do	1		
Payta	Jan. 1-Feb. 28	28	21	
Piura	Feb. 1-15	1		
Salaverry	Jan. 16-31	1		
San Pedro	Jan. 1-15	1		
Sullana	Jan. 1-Feb. 28	3	3	
Trujillo	Feb. 1-15			Present.
Tumbez	do	4		
Portugal:				
Lisbon	Dec. 15	1	1	
Portuguese West Africa:				
Angola—				
Loanda	Oct. 9-Nov. 5		2	
Mossamedes	Feb. 14			Present.
Rhodes (Island) (Aegean Sea)	Oct. 13	3	1	
Senegal:				
Dakar				Jan. 1-31, 1922: 1 rodent plague.
Siam:				
Bangkok	Oct. 23-Dec. 31	7	6	
Do	Jan. 8-Feb. 4	14	9	
Straits Settlements:				
Singapore	Nov. 6-Dec. 31	3	3	
Do	Jan. 15-Feb. 11	6	5	
Syria:				
Beirut	Oct. 9-Nov. 20	10	4	
Turkey:				
Constantinople	Jan. 1-7	1		
Union of South Africa:				
Orange Free State—				
Boschrand Farm	Jan. 25	3	3	10 miles from Kroonstad.
Bothaville	Nov. 19			Plague-infected mouse found.
Hoopstad	Dec. 4-10	1		In native herd boy.
Klipfontein (farm)	Feb. 10	1	1	12 miles from Bothaville. Plague infection found in rats on adjoining farm, week ended Feb. 4, 1922.
On vessel:				
S. S. Polycarp	Feb. 3	1		At Para, Brazil, from Ceara, via Manaos, Maranham, and Para for New York.
S. S. Tango Maru	Dec. 31	1		At Thursday Island Quarantine, Australia, from Kobe, via Nagasaki, Hongkong, Manila, and Zamboanga.
S. S. Warwickshire	Feb. 12			At Liverpool, England, from Rangoon. Plague rats, 27; 1 plague mouse.

SMALLPOX.

Arabia:				
Aden	Dec. 25-31		1	
Do	Jan. 8-14		1	
Asia Minor:				
Smyrna	Jan. 15-21	1		In district.
Algeria:				
Algiers	Jan. 1-Feb. 28	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Bolivia:				
La Paz	Aug. 1-Dec. 31	60	41	
Do	Jan. 1-31	15	9	
Brazil:				
Bahia	Nov. 6-Dec. 17	4		
Do	Jan. 8-14	1		
Rio de Janeiro	Nov. 13-Dec. 31	13	2	
Do	Jan. 1-28	16	4	
Sao Paulo	Oct. 31-Dec. 25	11		
Do	Dec. 26-Jan. 1	1		
British East Africa:				
Uganda	Aug. 1-Nov. 30	22	3	
Canada:				
British Columbia—				
Vancouver	Dec. 25-31	3		
Do	Jan. 29-Feb. 4	1		
Victoria	Mar. 12-18	1		
Manitoba				Year 1921: Cases, 71.
Winnipeg	Nov. 20-Dec. 3	2		
New Brunswick—				
Charlotte County				Dec. 17, 1921: 31 cases previously reported, occurring at Andersonville and Blacks Harbor. Dec. 18-24, 1921: Cases, 3. Dec. 25-31, 1921: Cases, 2. Feb. 19-20, 1922: Cases, 2.
St. Stephen	Dec. 11-17	2		
Restigouche County				Dec. 11-31, 1921: Cases, 3. Feb. 12-25, 1922: Cases, 4.
Charlo	Feb. 19-25	2		20 miles from Campbellton.
Westmoreland County	Mar. 5-18	13		
York County	Dec. 11-17	1		
Do	Jan. 29-Feb. 4	1		
Ontario				Dec. 1-31, 1921: Cases, 128. Jan. 1-31, 1922: Cases, 170; Feb. 1-28, 1922: Cases, 185.
Fort William and Port Arthur	Jan. 1-21	3		
Hamilton	Jan. 22-Mar. 25	4		
Kingston	Jan. 17-Feb. 11	5		Jan. 16-20, 1922: Two cases reported.
Niagara Falls	Dec. 11-24	2		
Do	Jan. 15-Mar. 18	38		
North Bay	Feb. 12-18	1		
Ottawa	Dec. 11-24	17		
Do	Jan. 1-Mar. 25	34		
Sault Ste. Marie	Jan. 15-21	1		
Toronto	Dec. 11-24	4		
Do	Jan. 1-Mar. 11	47		
Windsor	Jan. 8-Mar. 4	3		
Quebec—				
Montreal	Dec. 11-24	1		
Saskatchewan—				
Regina	Jan. 1-Feb. 11	4		
Saskatoon	Dec. 1-18	6		
Do	Feb. 5-18	3		
Canal Zone:				
Ancon				Admitted to hospital by transfer from Panama, Nov. 30, 1921, 1 case. Arrived on sailing vessel from a village on south coast.
Ceylon:				
Colombo	Nov. 27-Dec. 3	1		Port case.
Do	Jan. 29-Feb. 4	1		
Chile				Jan.-Sept., 1921: Cases, 5,500 (approximately); deaths, 2,500 (approximately). Nov. 15-21, 1921: Diffused in southern provinces; not epidemic.
Concepcion	Nov. 23-Dec. 26		25	Nov. 15-21, 1921: Present. In vicinity, at Hualqui, cases, 32; deaths, 5. Dec. 4-17, 1921: Present.
Do	Dec. 27-Jan. 30		21	
Coronel	Nov. 15-Dec. 17			Present.
Curanilahue	Nov. 15-21	4		
Lota				Oct. 28, 1921-Jan. 31, 1922: Cases, 879; deaths, 338.
Osorno				From beginning of outbreak to Feb. 15, 1922: Cases, 87.
Talcahuano	Nov 15-Dec. 24	6		Jan. 8-28, 1922: Present.
Do	Jan. 29-Feb. 18	5		From beginning of outbreak to Feb. 15, 1922: Cases, 80.
Temuco	Nov. 15-21	9		
Valparaiso	Oct. 23-Dec. 31		94	
Do	Jan. 1-21		39	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	Nov. 16–Dec. 31	.....	7	Nov. 23–29, 1921: Present, Jan.
Do	Jan. 1–Feb. 18	.....	7	22–28, 1922: Present.
Antung	Nov. 28–Dec. 18	4	1	
Canton	Dec. 1–31	.....	.....	Present.
Changsha	Jan. 16–22	1	.....	
Chungking	Nov. 6–Dec. 31	.....	.....	Do.
Do	Jan. 1–Feb. 18	.....	.....	Do.
Foochow	Nov. 6–Dec. 31	.....	.....	Do.
Do	Jan. 1–Feb 11	.....	.....	Do.
Hankow	Nov. 13–Dec. 31	.....	.....	Do.
Do	Jan. 1–21	2	.....	
Harbin	Nov. 14–Dec. 11	5	.....	
Do	Dec. 26–Feb. 12	3	.....	
Hongkong	Dec. 3–31	5	.....	
Do	Jan. 1–Feb. 11	16	10	
Mukden	Nov. 20–Dec. 31	.....	.....	Do.
Do	Jan. 15–Mar. 10	.....	.....	Do.
Nanking	Nov. 20–Dec. 17	.....	.....	Do.
Do	Jan. 15–Feb. 25	.....	.....	Do.
Shanghai	Oct. 31–Dec. 31	23	194	Cases, foreign; deaths, Chinese and foreign. Populations: Native, 790,000; foreign, 24,000. Corrected report.
Do	Jan. 2–Mar. 5	33	194	Cases, foreign; deaths, native. Jan. 14, 1922: Seriously prevalent.
Tientsin	Dec. 11–17	2	.....	In Mission Hospital.
Tsingtau	Jan. 1–Feb. 19	31	11	
Chosen (Korea):				
Fusan	Dec. 1–31	3	1	
Do	Jan. 1–Feb. 28	80	19	
Gensan	Feb. 1–28	1	.....	
Seoul	Jan. 1–Feb. 28	8	3	
Colombia:				
Cartagena	Nov. 22–28	.....	1	
Santa Marta	Feb. 19–25	.....	.....	Present.
Cuba		.....	.....	Dec. 4–31, 1921: Cases, 361. Jan. 1–31, 1922: Cases, 257.
Antilla	Dec. 12–31	3	.....	At Preston.
Do	Jan. 8–Feb. 4	13	1	
Cienfuegos	Jan. 22–Mar. 4	5	1	Two cases from outside city limits.
Santiago	Jan. 1–Feb. 28	8	1	
Czechoslovakia:				
Prague	Dec. 18–24	.....	42	
Dominion Republic		.....	.....	Oct. 1–31, 1921: Cases, 653; deaths, 54. Jan. 2–Feb. 4, 1922: Cases, 6,922; deaths, 185.
Puerta Plata	Jan. 13	100	5	In district, widely diffused, with 1,000 estimated cases with 100 deaths.
San Pedro de Macoris	Nov. 20–Dec. 31	31	1	Estimate of about 500 cases of smallpox in the district of Macoris; of this amount 50 within the city limits.
Do	Jan. 14–Feb. 4	122	.....	In surrounding country. Feb. 12–25: 66 cases. Feb. 26–Mar. 11: 61 cases.
Santo Domingo	Nov. 15–Dec. 5	.....	.....	In district, 401 cases estimated. Dec. 17–24, 1921: Present in vicinity. Jan. 9–16, 1922: In surrounding country, 1,745 cases (estimated).
Ecuador:				
Guayaquil	Nov. 16–Dec. 31	7	.....	And vicinity.
Do	Jan. 1–Feb. 28	3	.....	
Egypt:				
Alexandria	Nov. 26–Dec. 2	1	1	
Cairo	....do	2	.....	
Port Said	Dec. 20–26	1	.....	Dec. 16–23, 1921: 1 case.
Do	Jan. 22–28	1	.....	
Finland		.....	.....	Nov. 16–30, 1921: 1 case.
Do		.....	.....	Feb. 1–15, 1922: Cases, 19.
Fiume		.....	.....	Dec. 27, 1921–Jan. 2, 1922: Cases, 2.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain:				
Manchester	Jan. 1–7	4		
Nottingham	Dec. 4–31	18		
Do	Jan. 8–28	3		
Swansea	Jan. 17–23	2		Imported on vessel from Persian Gulf.
Haiti				Jan. 22–Mar. 18, 1922: A few cases.
Cape Haitien	Dec. 11–24	8		
Do	Jan. 1–Feb. 18	21	1	
Port au Prince	Dec. 11–31			Present.
Do	Jan. 15–21	2		
India				Oct. 2–8, 1921: Deaths, 28. Oct. 23–Nov. 19, 1921: Deaths, 266. Nov. 27–Dec. 31, 1921: Deaths, 533.
Bombay	Oct. 23–Dec. 31	3	2	
Do	Jan. 1–Feb. 4	5		
Calcutta	Nov. 13–Dec. 31	37	28	
Do	Jan. 1–Feb. 18	100	92	
Karachi	Nov. 11–Dec. 31	28	9	
Do	Jan. 1–Feb. 25	52	33	
Madras	Nov. 13–Dec. 31	183	59	
Do	Jan. 1–Feb. 25	511	176	
Rangoon	Oct. 1–Dec. 31	6		
Do	Jan. 15–Feb. 11	63		
Indo-China:				
Saigon	Dec. 18–24	1	1	City and district.
Do	Jan. 8–21	4	1	Do.
Italy:				
Catania	Feb. 20–26	1		In Province.
Genoa	Nov. 10–20	1		
Messina—				
Messina	Nov. 28–Dec. 4	1		
Pettineo	Nov. 14–Dec. 4	2		
Venice	Jan. 30–Feb. 5	2		
Japan:				
Kobe	Jan. 23–29	3	1	
Taiwan Island	Dec. 1–31	2	1	
Do	Feb. 14–20	1	1	
Yokohama	Jan. 9–29	3		Corrected report.
Java:				
East Java—				
Soerabaya	Jan. 1–7	4		
West Java—				
Bandoeng	Nov. 18–Dec. 8	2		
Batavia	Nov. 18–Dec. 22	11	9	City and Province.
Do	Dec. 30–Jan. 26	3	3	In Province: Cases, 23; deaths, 4; 13 cases, with 3 deaths, not locally stated. Feb. 3–9, 1922: Cases, 10; deaths, 1.
Buitenzorg	Nov. 25–Dec. 8	7	1	
Krawang	Nov. 18–24	1		
Lebak	Nov. 18–Dec. 8	7	4	
Pandegiang	Nov. 25–Dec. 1		1	
Tangerang	Nov. 18–Dec. 8	5	1	
Liberia:				
Grand Bassa County	Nov. 30			Present at Lower Buchannan.
Mesopotamia:				
Bagdad	Oct. 1–Nov. 30	117	50	Epidemic with high mortality November, 1921.
Mexico:				
Chihuahua	Dec. 5–11		1	
Do	Jan. 23–Feb. 19		2	
Guadalajara	Nov. 1–Dec. 31	6		
Do	Jan. 1–31	11	2	
Mexico City	Nov. 20–Dec. 31	64		Including municipalities in Federal District.
Do	Jan. 1–Feb. 18	107		Do.
Saltillo	Jan. 29–Feb. 4		1	From San Salvador, Zacatecas.
San Luis Potosi	Dec. 18–24		2	
Do	Jan. 8–Mar. 18		12	
Torreon	Dec. 1–31	134		
Do	Jan. 1–Feb. 28		82	
Newfoundland:				
St. Johns	Feb. 4–10	1		
Nicaragua:				
Managua	Mar. 5			Present.
Palestine:				
Jerusalem	Jan. 10–Feb. 20	27		
Panama:				
Bocas del Toro Province—				
Sursuba	Jan. 18–Feb. 8	11		Village 21 miles from Almirante.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Panama—Continued.				
Chiriqui Province	Dec. 22			Present.
Do	Jan. 26			Present with center of prevalence at Boquete Bajo. At Boquete Bajo, Jan. 22–Mar. 23, 1922, 59 admissions to lazaretto; on Mar. 20, 1922, 16 cases of smallpox, confluent type.
Panama	Dec. 14	1		On Dec. 21, 1921: 1 additional case from country district of Sabanas admitted to hospital. Total admissions, Jan. 1–Dec. 21, 1921, 207.
Peru:				
Lima	Nov. 1–Dec. 31		3	
Poland				Aug. 14–Dec. 31, 1921: Cases, 578; deaths, 146. Exclusive of Brest-Litovsk, Minsk, and Wilno districts.
Portugal:				
Lisbon	Nov. 13–Dec. 31	48	12	
Do	Jan. 1–28	46	1	
Portuguese East Africa:				
Lourenco Marques	Oct. 1–Nov. 5	2	4	
Portuguese West Africa:				
Angola—				
Loanda	Oct. 9–Dec. 31		7	
Do	Jan. 1–14		3	
Rumania:				
Bucharest	Nov. 1–30		33	
Chisinau	Dec. 1–31	33		
Russia:				
Esthonia	Oct. 1–Dec. 31	38		
Latvia	do	75		
Do	Jan. 1–31	15		
Senegal:				
Dakar	do	2		
Serbia:				
Belgrade	Oct. 2–Nov. 26	16	4	
Siam:				
Bangkok	Oct. 23–Nov. 5	1		
Spain:				
Barcelona	Jan. 8–14		1	
Huelva	Oct. 1–Dec. 31		3	
Malaga	Nov. 1–Dec. 31		60	
Do	Jan. 1–31		8	
Seville	Nov. 16–Dec. 31		7	
Do	Jan. 8–Mar. 11		33	
Valencia	Jan. 22–Mar. 4	3		
Straits Settlements:				
Singapore	Nov. 6–Dec. 24	49	13	
Do	Jan. 1–Feb. 4	50	18	
Switzerland:				
Glarus, Canton	Dec. 10			Epidemic.
Lucerne	Feb. 1–28	12		
St. Gall	Feb. 12–18	1		
Zurich	do	2		In vicinity.
Syria:				
Adana	Dec. 18–24			Present.
Do	Jan. 1–14			Do.
Aleppo	Dec. 18–24			Do.
Do	Jan. 1–Mar. 4			Do.
Alexandretta	do			Do.
Beirut	Oct. 9–Nov. 13	5	2	
Do	Jan. 8–Feb. 25	20	9	Dec. 29, 1921–Jan. 4, 1922: Cases, 14; deaths, 2.
Cilicia	Jan. 8–Feb. 4			Present.
Diarbekir	Dec. 18–24			Do.
Do	Jan. 1–Feb. 4			Do.
Mersina	Dec. 18–24			Do.
Do	Jan. 1–7			Do.
Urfa	Dec. 18–24			Do.
Do	Jan. 1–Feb. 4			Do.
Tunis:				
Tunis	Nov. 26–Dec. 23	17	15	
Do	Jan. 1–Feb. 4	4	5	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Turkey:				
Constantinople	Nov. 27-Dec. 24	20	4	
Do	Jan. 15-Mar. 11	74	17	
Union of South Africa				Nov. 1-Dec. 31, 1921: Cases, 326; deaths, 6 (colored). White, 10 cases.
Cape Province	Nov. 5-Dec. 31			Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 42; deaths, 1 (colored).
Do	Jan. 8-Feb. 11			Outbreaks.
Natal	do			Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 209; deaths, 5 (colored).
Orange Free State	Oct. 23-Dec. 24			Outbreaks. Nov. 1-Dec. 31, 1921: cases, 8 (colored).
Do	Feb. 5-11			Outbreaks.
Southern Rhodesia	Dec. 29-Feb. 15	69		
Transvaal	Oct. 23-Dec. 31			Outbreaks.
Do	Jan. 1-Feb. 11			Outbreaks. December, 1921: Cases, 15. Nov. 1-Dec. 31, 1921: Cases, 22 (colored). Among white population, 8 cases, State not designated.
Johannesburg District	Dec. 1-31	1		
Do	Jan. 1-7			Outbreaks.
Yugoslavia				July 3-30, 1921: Cases, 37.
Bosnia Herzegovina	July 3-9	2		
Croatia Slavonia	do	1		
Dalmatia	do	1		
Serbia	do	3		
Belgrade	Dec. 11-17	4		
Do	Jan. 1-Feb. 18	6		
Slavonia	July 3-9	1		
Vojvodina	do	3		
On vessel:				
S. S. Victoria	Jan. 16	1	1	At Thursday Island Quarantine, Australia; vessel left Hongkong Jan. 3; case isolated, Jan. 10. Vessel left for Townsville, Sydney, and Melbourne. Released at Melbourne Feb. 4, 1922.
S. S. West O'Rowa	Jan. 5-8	3	1	At Kobe, Japan, from Shanghai, China.
S. S. ——	Jan. 17-23	2		At Swansea, Wales, from Persian Gulf.

TYPHUS FEVER.

Algeria:				
Algiers	Nov. 1-Dec. 31	3		
Do	Jan. 11-Feb. 28	3		
Oran	Dec. 21-31	1		
Do	Jan. 1-Mar. 10	13	4	
Asia Minor:				
Brousa	Jan. 15-21	1		
Austria:				
Vienna	Dec. 4-31	10		
Do	Jan. 1-28	9	1	
Bolivia:				
La Paz	Aug. 1-Dec. 31	121	98	
Do	Jan. 1-31	15	12	
Bulgaria:				
Sofia	Dec. 18-24	1		
Do	Feb. 12-18	1		
Chile:				
Concepcion	Nov. 22-Dec. 26		3	
Do	Jan. 3-30		3	
Talcahuano	Jan. 29-Feb. 18	3		
Valparaiso	Oct. 23-Nov. 26		6	
Do	Jan. 1-7		1	
China:				
Antung	Dec. 26-Jan. 1	1		
Do	Feb. 6-12	1		
Harbin	Nov. 7-Dec. 25	12		
Do	Dec. 26-Feb. 19	20		Jan. 23, 1922: Reported extending from Soviet Russia, along railway line to maritime provinces.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Czechoslovakia:				
Prague	Jan. 22–Feb. 18	3		
Danzig (free city)	Feb. 23	1		In district, at Zoppot. In merchant from Warsaw.
Egypt:				
Alexandria	Nov. 19–Dec. 31	3	1	
Do	Jan. 15–Feb. 25	17	5	
Cairo	Oct. 1–Dec. 31	18	14	
Do	Jan. 1–14	3	2	
Port Said	Jan. 22–Feb. 11	2		
Finland:				
Helsingfors	Jan. 1–31	1		In courier from Moscow.
Germany:				
Breslau	Dec. 25–31	2	1	
Do	Jan. 1–Feb. 5	55	8	Including district.
Frankfort-on-Oder	Feb. 16	26		In persons returning from Russia.
Hamburg	Dec. 11–17	4		
Great Britain:				
Glasgow	Dec. 25–31	1		
Greece:				
Saloniki	Jan. 23–29	1		
Italy:				
Palermo	Jan. 15–28	3	1	
Mesopotamia:				
Bagdad	Oct. 1–Dec. 31	3	9	
Mexico:				
Mexico City	Nov. 20–Dec. 31	242		Including municipalities in Federal District.
Do	Jan. 1–Feb. 18	169		Do.
San Luis Potosi	Dec. 18–24		1	Dec. 25–31, 1921: Present.
Do	Jan. 8–Feb. 25			Present. One death.
Palestine:				
Jerusalem	Dec. 27–Mar. 13	11		
Poland				Aug. 14–Nov. 5, 1921: Cases, 2,309; deaths, 173. Nov. 6–Dec. 3, 1921: Cases, 1,512; deaths, 105. Nov. 20–Dec. 10, 1921: Cases, 1,162; deaths, 89. Dec. 4–31, 1921: Cases, 3,600; deaths, 313. Jan. 1–7, 1922: Cases, 1,322. All statistics are exclusive of Brest-Litovsk, Minsk, and Wilno districts.
District—				
Bialystok	Nov. 20–Dec. 10	116	3	
Do	Jan. 1–7	253		
Galicia—				
Lemberg	Jan. 3	229		Jan. 1–7, 1922: Cases, 61.
Kielce	Nov. 20–Dec. 10	31	8	
Do	Jan. 1–7	28		
Krakow	Nov. 20–Dec. 10	45	6	
Do	Jan. 1–7	53		
Lodz	Nov. 20–Dec. 10	67		
Do	Jan. 1–7	41		
Lublin	Nov. 20–Dec. 10	59		
Do	Jan. 1–7	147		
Lwow	Nov. 20–Dec. 10	121	16	
Nowogrod	do	249	15	
Polesia	do	83	5	
Do	Jan. 1–7	450		
Posen	do	1		
Stanislawow	Nov. 20–Dec. 10	88	8	
Do	Jan. 1–7	54		
Tarnopol	Nov. 20–Dec. 10	86	17	
Do	Jan. 1–7	28		
Volhynia	Nov. 20–Dec. 10	89	4	
Do	Jan. 1–7	107		
Warsaw	Nov. 20–Dec. 10	81	2	
Do	Jan. 1–7	32		
Warsaw City	Nov. 20–Dec. 10	47	5	
Do	Jan. 1–7	67		
Portugal:				
Oporto	Jan. 8–Mar. 11	22	2	
Rumania:				
Bucharest	Nov. 1–30	3		
Chisinau	Nov. 1–Dec. 31	28		Dec. 1–31, 1921: Recurrent typhus, cases, 19.
Russia				Nov. 28–Dec. 10, 1921: In Soviet Russia, cases, 7,681.
Esthonia	Oct. 1–Dec. 31	53		Recurrent typhus, 29 cases.
Do	Jan. 1–31	36		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Latvia	do	341		(Corrected report) Oct. 1-Nov. 30, 1921: Cases, 127.
Libau	Jan. 15-Feb. 1	4		
Perm	Nov. 23-Dec. 10	1,408		Oct. 1-31, 1921: Cases, 839; Nov. 1-30, 1921: Cases, 2,389.
Saratov District—Marksstadt				Sept. 1-Dec. 31, 1921: Cases, 1,987; mortality, about 10 per cent; hospital cases.
Serbia:				
Belgrade	Oct. 2-Nov. 26	3	2	
Siberia				Jan. 23, 1922: Present in western districts.
Chita	Dec. 26			Epidemic.
Vladivostok	Dec. 25-31	5	1	
Spain:				
Madrid	Dec. 1-31	1		
Do	Jan. 1-31	2		
Syria:				
Diarbekir	Mar. 5-11			Present.
Mardin	do			Do.
Tunis:				
Tunis	Feb. 5-Mar. 4	3	3	
Turkey:				
Constantinople	Nov. 20-Dec. 31	19		
Do	Jan. 1-Mar. 11	65		
Union of South Africa				Nov. 1-Dec. 31, 1921: Cases, 1,308; deaths, 205 (colored). White, 20 cases; deaths, 4.
Cape Province				Oct. 23-Dec. 24, 1921: Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 1,053; deaths, 158 (colored). Among white population, 19 cases, 3 deaths.
Do				Jan. 1-Feb. 11, 1922: Outbreaks.
East London	Oct. 30-Dec. 24	3		One death in European at Jensenville, Dec. 6, 1921.
Do	Jan. 29-Feb. 11	2		Natives.
Natal	Nov. 5-Dec. 17			Outbreaks. Stated to be prevalent only in Newcastle District. Nov. 1-Dec. 31, 1921: Cases, 135; deaths, 25 (colored).
Orange Free State	Nov. 13-Dec. 31			Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 158; deaths, 21 (colored).
Do	Jan. 1-Feb. 11			Outbreaks.
Durban	Jan. 15-21	1		Imported.
Transvaal	Jan. 8-Feb. 11			Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 35; deaths, 4 (colored). White, one case, one death.
Johannesburg District	Jan. 12-18	26	4	
Venezuela:				
Maracaibo	Dec. 20-26		1	
Yugoslavia				July 3-30, 1921: Cases, 13.
Bosnia Herzegovina	July 3-9	1		
Croatia—				
Zagreb	Jan. 1-Feb. 25	3		
Montenegro	July 3-9	3		

YELLOW FEVER.

Mexico				Year 1921: Cases, 115; deaths, 53.
Colima (State)				Year 1921: Cases, 7; deaths, 4.
Colima	Oct. 27	4	3	
Manzanillo	Aug. 21	3	1	
Jalisco (State)				Year 1921: Cases, 13; deaths, 7.
Guadalajara	Nov. 1-30	1	1	Imported.
Puerta Vallarta (Las Penas)	Oct. 5-Dec. 17	13	5	
Do	Jan. 31		1	
Tonila	Aug. 31	1	1	
Quintana Roo (Territory)—				
Payo Obispo	Aug. 8	1	1	
Sinaloa (State)				Year 1921: Cases, 18; deaths, 9.
Culiacan	Sept. 17	4	1	
Guamuchil	Oct. 10	1		
Mazatlan	Aug. 21	1	1	Imported.
Palmar de los Leales	Sept. 30	12	7	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to April 14, 1922—Continued.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Tamaulipas (State)				Year, 1921: Cases, 1; deaths, 1.
Tampico	Jan. 11	1	1	
Vera Cruz (State)				Year 1921: Cases, 75; deaths, 31.
Alamo	June 21	4	1	Oil camp.
Alvarado	July 3	1	1	
Barra de Penn	July 18	1	1	
Cordoba	Sept. 22	5	3	
Cosamaloapam	July 18	14	6	
Nogales	Oct. 28	1	1	
Orizaba	do	1		
Papantla	Jan. 14	6	3	
Providencia	Oct. 28	3		
Purga	Feb. 7	1	1	
Rancho de Santa Rosa	Oct. 8	2		
Rancho "El Jaguey"	Sept. 14	2	2	
San Pablo (Papantla)	Sept. 12	1		
San Ildefonso	Oct. 17	2		
Tierra Blanca	Sept. 24–Nov. 12	4	3	
Tlacotalpan	Sept. 14	1	1	
Tuxpam	Jan. 3	8	2	
Vera Cruz	Jan. 15	18	7	Two of these cases imported Dec. 20–26, 1921: Cases, 1; deaths, 1. Imported.